US009058391B2

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Shriber et al.

(10) **Patent No.: US 9,058,391 B2**
(45) **Date of Patent: Jun. 16, 2015**

(54) **SYSTEM AND METHOD FOR TRANSMITTING A FEED RELATED TO A FIRST USER TO A SECOND USER**

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(73) Assignee: **SLANGWHO, INC.**, New York, NY (US)

(*) Notice: Subject to any disclaimer, the term of this patent is extended or adjusted under 35 U.S.C. 154(b) by 550 days.

(21) Appl. No.: **13/420,508**

(22) Filed: **Mar. 14, 2012**

(65) **Prior Publication Data**

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Related U.S. Application Data

(60) Provisional application No. 61/452,595, filed on Mar. 14, 2011.

(51) **Int. Cl.**

G06F 17/22	(2006.01)
G06F 17/30	(2006.01)
G06F 17/27	(2006.01)
G06Q 10/10	(2012.01)

(52) **U.S. Cl.**

CPC ***G06F 17/30867*** (2013.01); ***G06F 17/2247*** (2013.01); ***G06F 17/279*** (2013.01); ***G06Q 10/10*** (2013.01)

(58) **Field of Classification Search**

USPC 715/201, 202, 205, 226, 234, 273, 701, 715/738, 760, 861

See application file for complete search history.

(56) **References Cited**

U.S. PATENT DOCUMENTS

6,199,081	B1	3/2001	Meyerzon et al.	
6,718,365	B1	4/2004	Dutta	
7,613,769	B1 *	11/2009	Hess	709/203
7,669,123	B2 *	2/2010	Zuckerberg et al.	715/273
7,734,610	B2	6/2010	Rakowski et al.	
7,971,147	B2	6/2011	Subbarao et al.	
7,984,056	B1 *	7/2011	Kane	707/749
8,037,093	B2 *	10/2011	Tiu et al.	707/781
8,276,079	B2	9/2012	Davar et al.	
8,589,391	B1	11/2013	Reynar et al.	
8,589,418	B1 *	11/2013	Kane	707/749
8,601,055	B2 *	12/2013	Smith et al.	709/204
8,667,385	B1	3/2014	Mui et al.	
8,874,541	B1 *	10/2014	Vandehey et al.	707/706
2006/0190616	A1 *	8/2006	Mayerhofer et al.	709/231
2007/0083520	A1 *	4/2007	Shellen et al.	707/10
2007/0083536	A1 *	4/2007	Darnell et al.	707/101
2007/0118794	A1	5/2007	Hollander et al.	
2007/0198526	A1 *	8/2007	Pitkow	707/10
2008/0021880	A1	1/2008	Ren et al.	
2008/0071929	A1	3/2008	Motte et al.	
2008/0215589	A1	9/2008	Elhaik	
2008/0256443	A1 *	10/2008	Li et al.	715/700

(Continued)

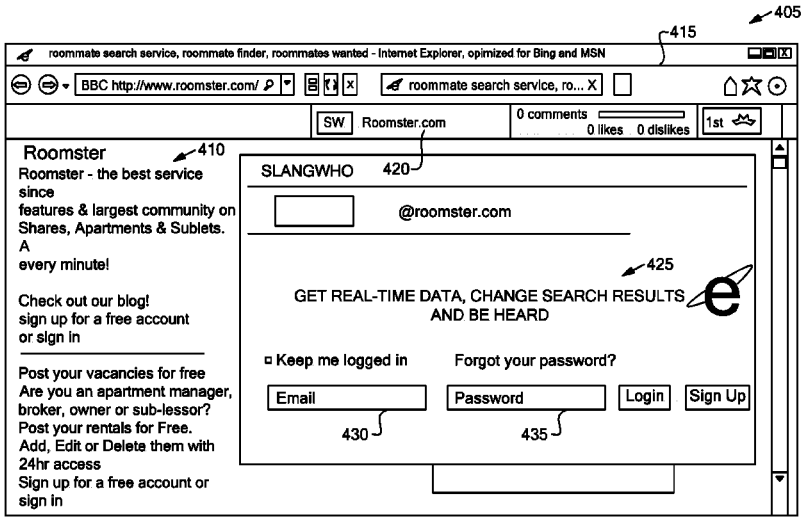
Primary Examiner — Maikhanh Nguyen

(74) *Attorney, Agent, or Firm* — Greenberg Traurig LLP

(57) **ABSTRACT**

Disclosed is a server computer and method that provides a first user interface to a first client computer operated by a first user for display by a first web browser. The first web browser displays web content to the first user. The server computer provides a second user interface to a second client computer operated by a second user for display by a second web browser. The server computer receives a feed request from the second client computer of the second user for a feed related to the first user. The server computer transmits the feed related to the first user to the second client computer to enable the second user to receive at least a portion of the web content.

18 Claims, 17 Drawing Sheets



(56) **References Cited**

U.S. PATENT DOCUMENTS

2008/0294632	A1	11/2008	Chang et al.	
2009/0144272	A1	6/2009	Adarsh et al.	
2009/0217196	A1	8/2009	Neff et al.	
2009/0299824	A1	12/2009	Barnes, Jr.	
2010/0011282	A1	1/2010	Dollard et al.	
2010/0023506	A1*	1/2010	Sahni et al.	707/5
2010/0088170	A1	4/2010	Glore, Jr.	
2010/0199340	A1*	8/2010	Jonas et al.	726/8
2010/0262597	A1	10/2010	Han	
2010/0280860	A1	11/2010	Iskold et al.	
2010/0312771	A1	12/2010	Richardson et al.	
2010/0313252	A1	12/2010	Trouw	
2011/0043652	A1	2/2011	King et al.	
2011/0184960	A1	7/2011	Delpha et al.	
2011/0238508	A1*	9/2011	Koningstein	705/14.73
2012/0102048	A1	4/2012	Heer	
2012/0158753	A1*	6/2012	He et al.	707/752
2012/0166453	A1	6/2012	Broder	
2012/0239639	A1	9/2012	Shriber et al.	
2012/0240053	A1	9/2012	Shriber et al.	

* cited by examiner

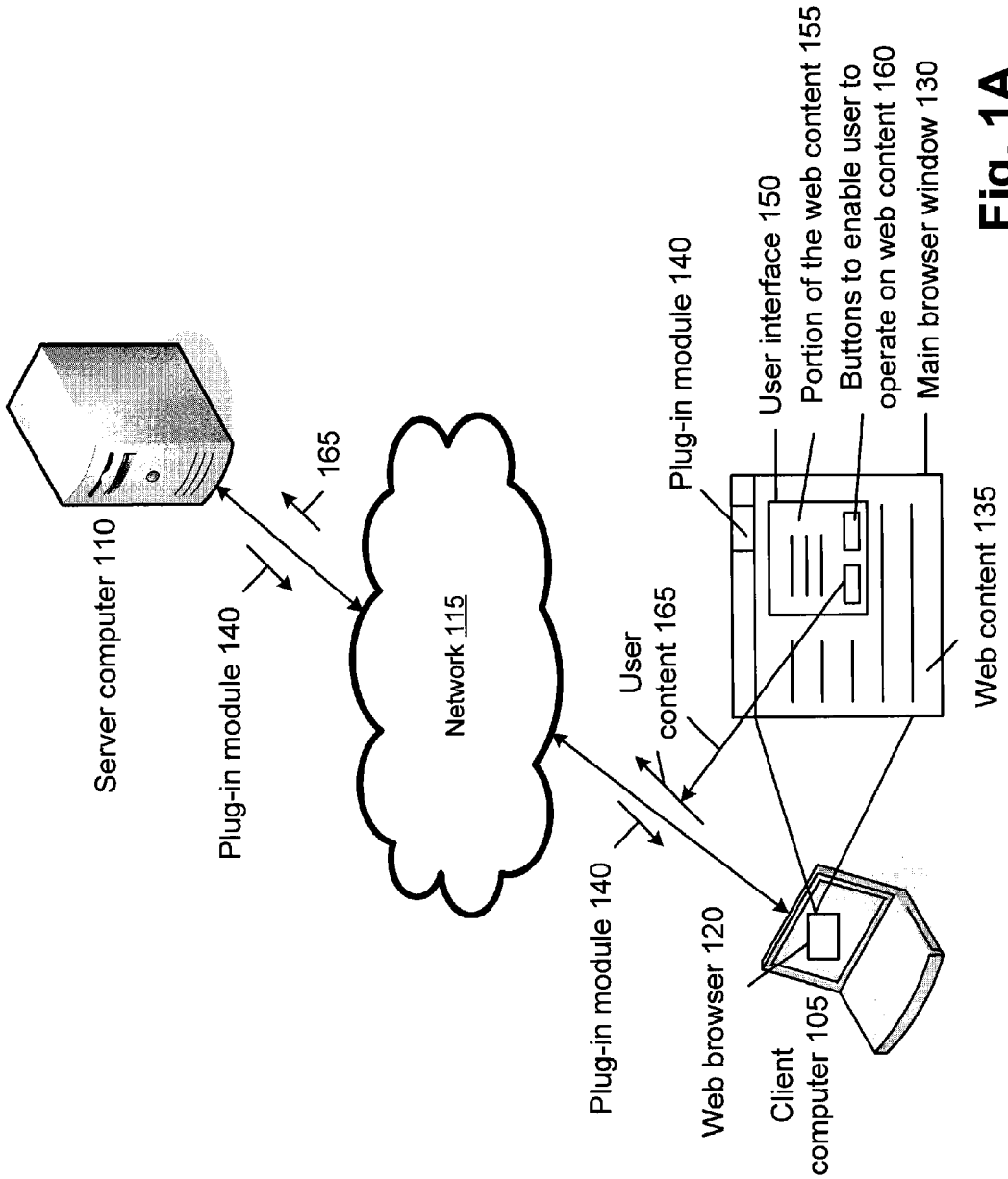

Server computer 110
Plug-in module 140
165
Network 115
Plug-in module 140
Web browser 120
Client computer 105
User content 165
Plug-in module 140
User interface 150
Portion of the web content 155
Buttons to enable user to operate on web content 160
Main browser window 130
Web content 135

Fig. 1A

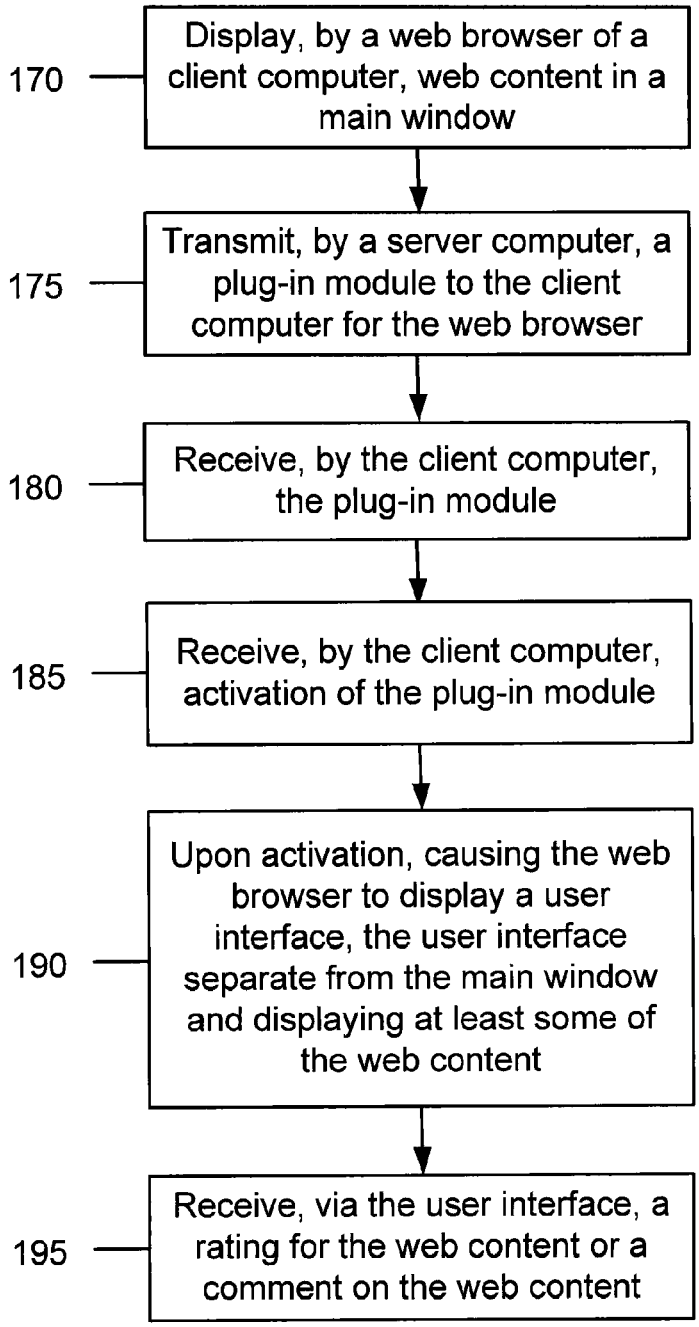

170
Display, by a web browser of a client computer, web content in a main window
175
Transmit, by a server computer, a plug-in module to the client computer for the web browser
180
Receive, by the client computer, the plug-in module
185
Receive, by the client computer, activation of the plug-in module
190
Upon activation, causing the web browser to display a user interface, the user interface separate from the main window and displaying at least some of the web content
195
Receive, via the user interface, a rating for the web content or a comment on the web content

Fig. 1B

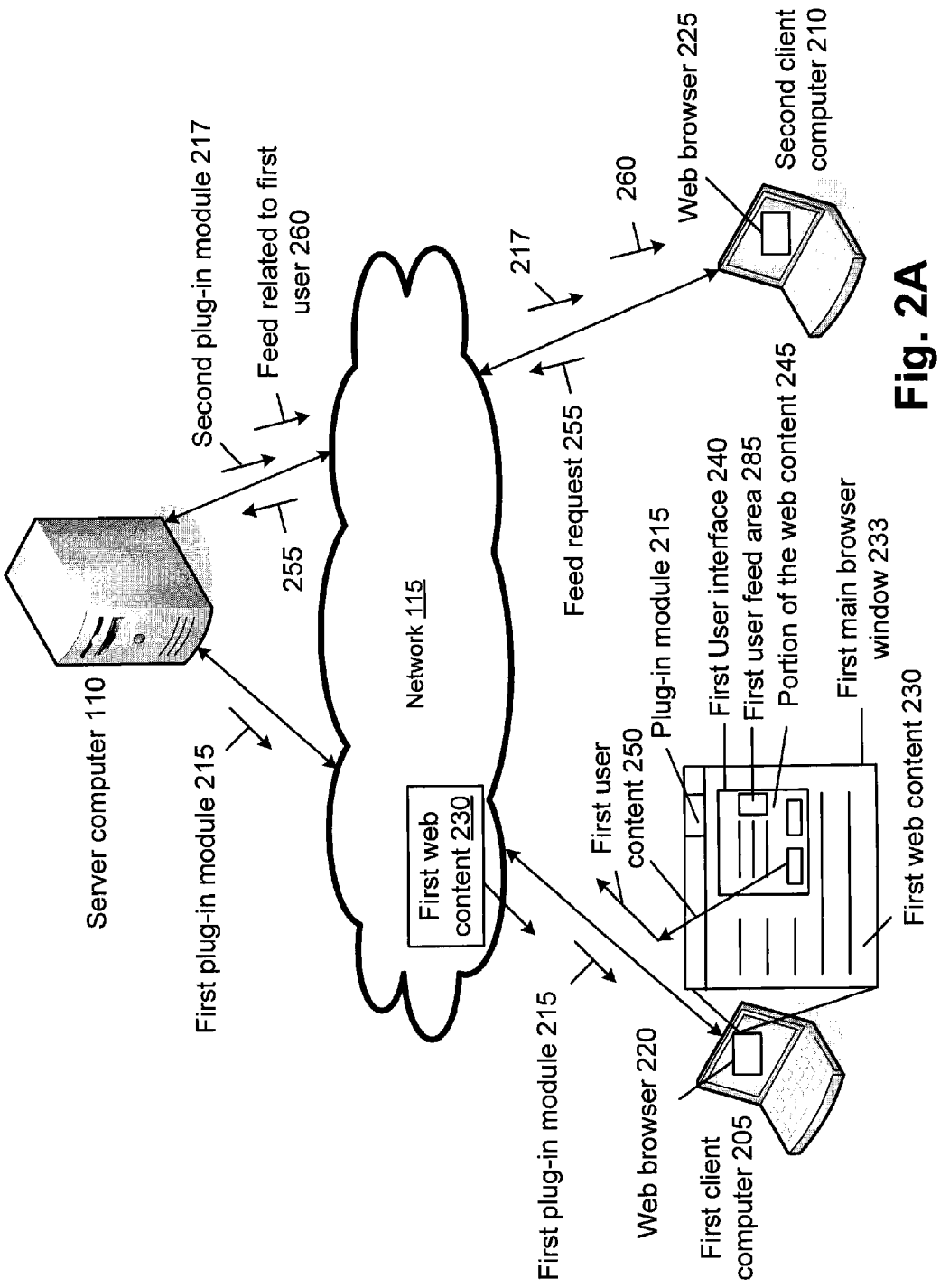

Server computer 110
First plug-in module 215
Second plug-in module 217
Feed related to first user 260
255
Network 115
First web content 230
217
260
Web browser 225
Second client computer 210
Feed request 255
First plug-in module 215
Web browser 220
First client computer 205
First user content 250
Plug-in module 215
First User interface 240
First user feed area 285
Portion of the web content 245
First main browser window 233
First web content 230

Fig. 2A

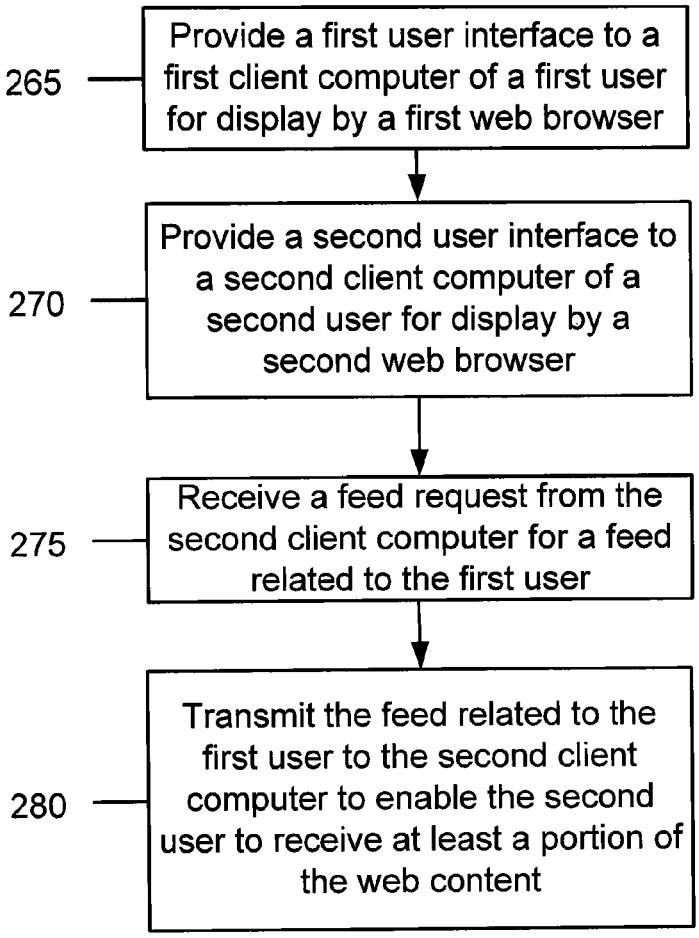

265
Provide a first user interface to a first client computer of a first user for display by a first web browser
270
Provide a second user interface to a second client computer of a second user for display by a second web browser
275
Receive a feed request from the second client computer for a feed related to the first user
280
Transmit the feed related to the first user to the second client computer to enable the second user to receive at least a portion of the web content

Fig. 2B

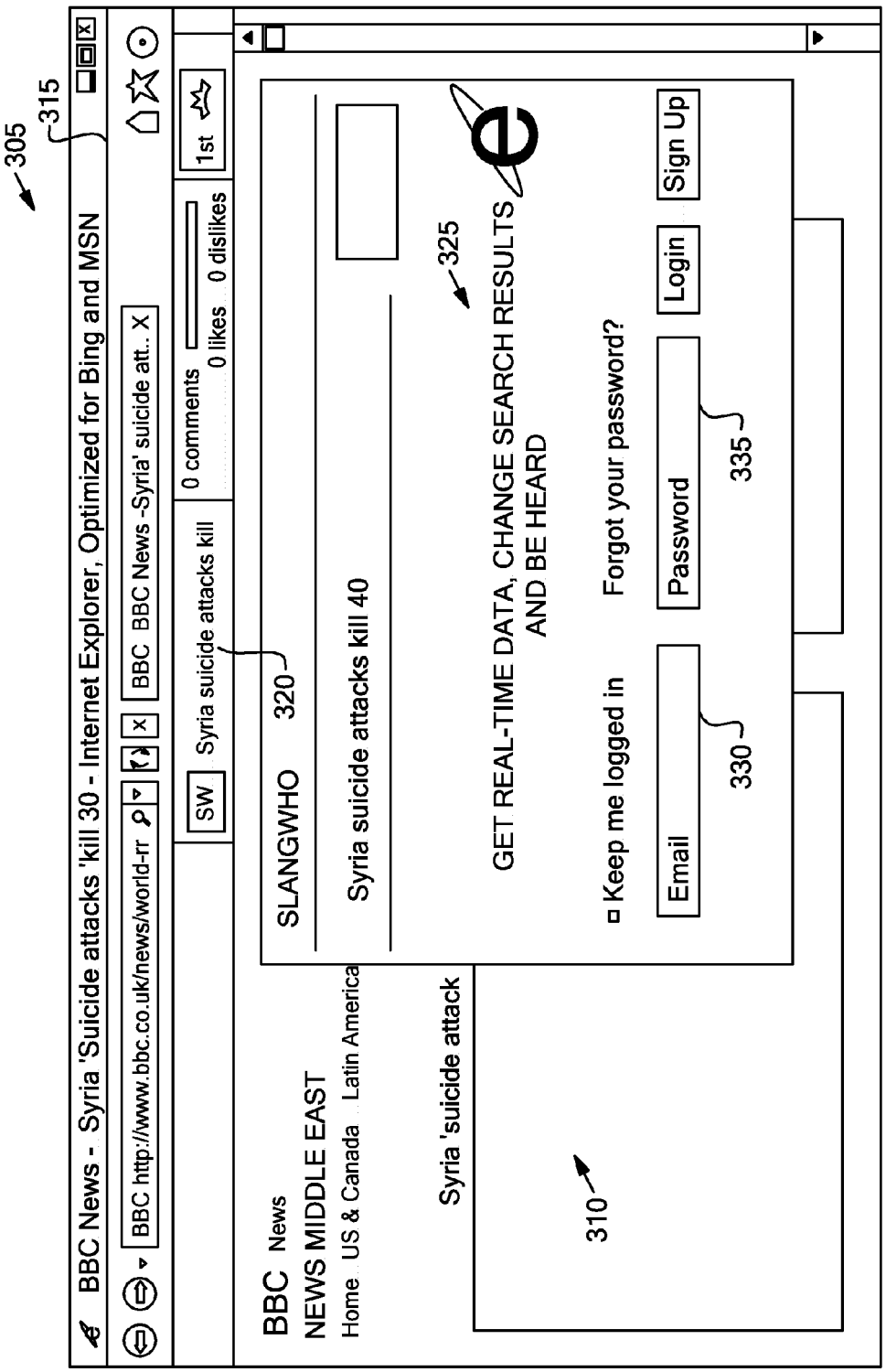
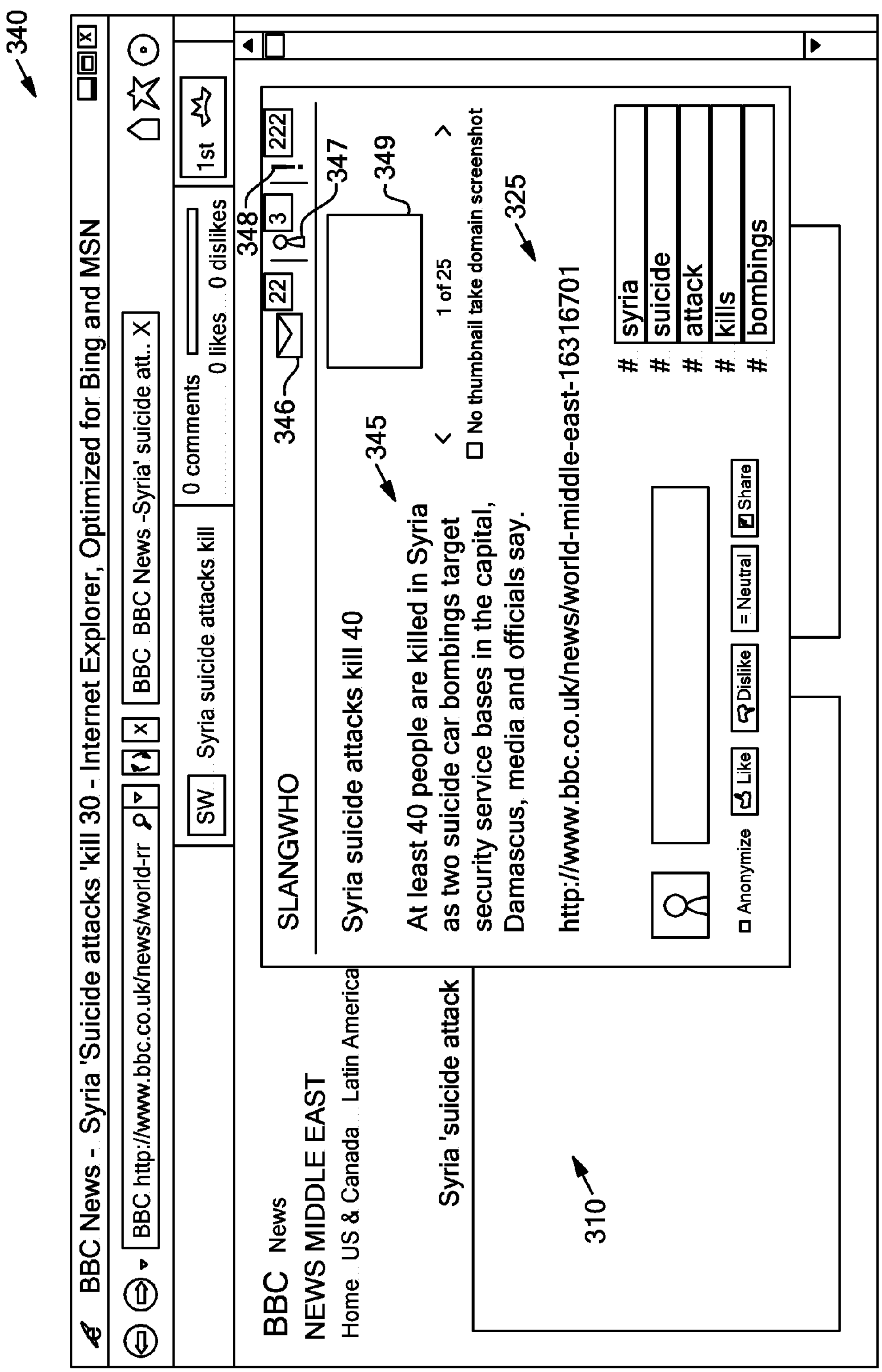

305
315
BBC News - Syria 'Suicide attacks 'kill 30 - Internet Explorer, Optimized for Bing and MSN
BBC http://www.bbc.co.uk/news/world-rr
BBC BBC News -Syria' suicide att.. X
SW
Syria suicide attacks kill
0 comments
0 likes 0 dislikes
1st
SLANGWHO
320
BBC News
NEWS MIDDLE EAST
Home US & Canada Latin America
Syria suicide attacks kill 40
325
GET REAL-TIME DATA, CHANGE SEARCH RESULTS AND BE HEARD
Syria 'suicide attack
Keep me logged in
Forgot your password?
Email
Password
Login
Sign Up
330
335
310

Fig. 3A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BBC http://www.bbc.co.uk/news/world-rr
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Syria suicide attacks kill
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NEWS MIDDLE EAST
Home US & Canada Latin America
Syria 'suicide attack
310
SLANGWHO
346
22
348
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Syria suicide attacks kill 40
345
At least 40 people are killed in Syria as two suicide car bombings target security service bases in the capital, Damascus, media and officials say.
1 of 25
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325
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syria
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bombings
Anonymize
Like
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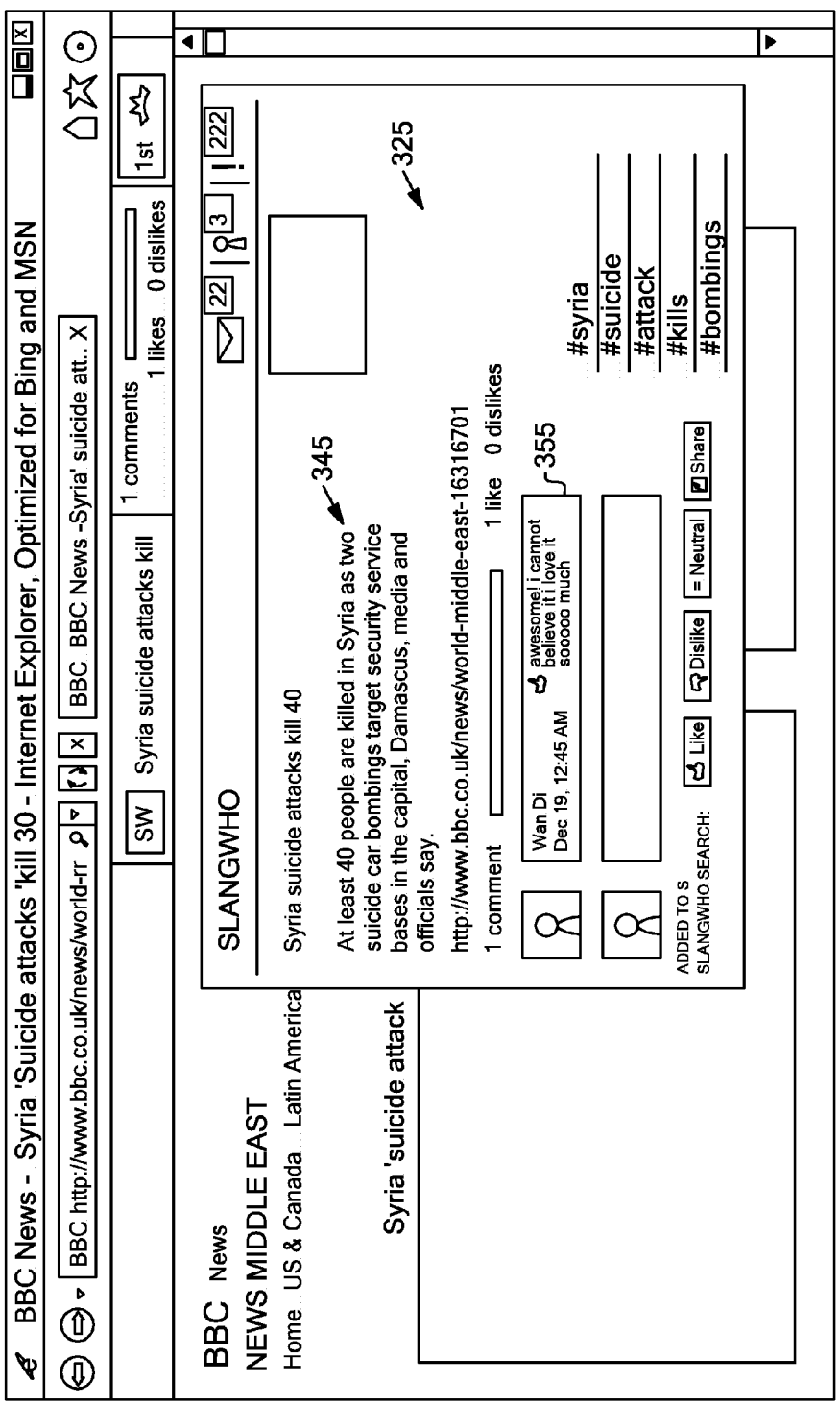
= Neutral
Share

Fig. 3B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1 comment
1 like 0 dislikes
Wan Di
Dec 19, 12:45 AM
awesome! i cannot believe it! i love it soooo much
355
#syria
#suicide
#attack
#kills
#bombings
ADDED TO S
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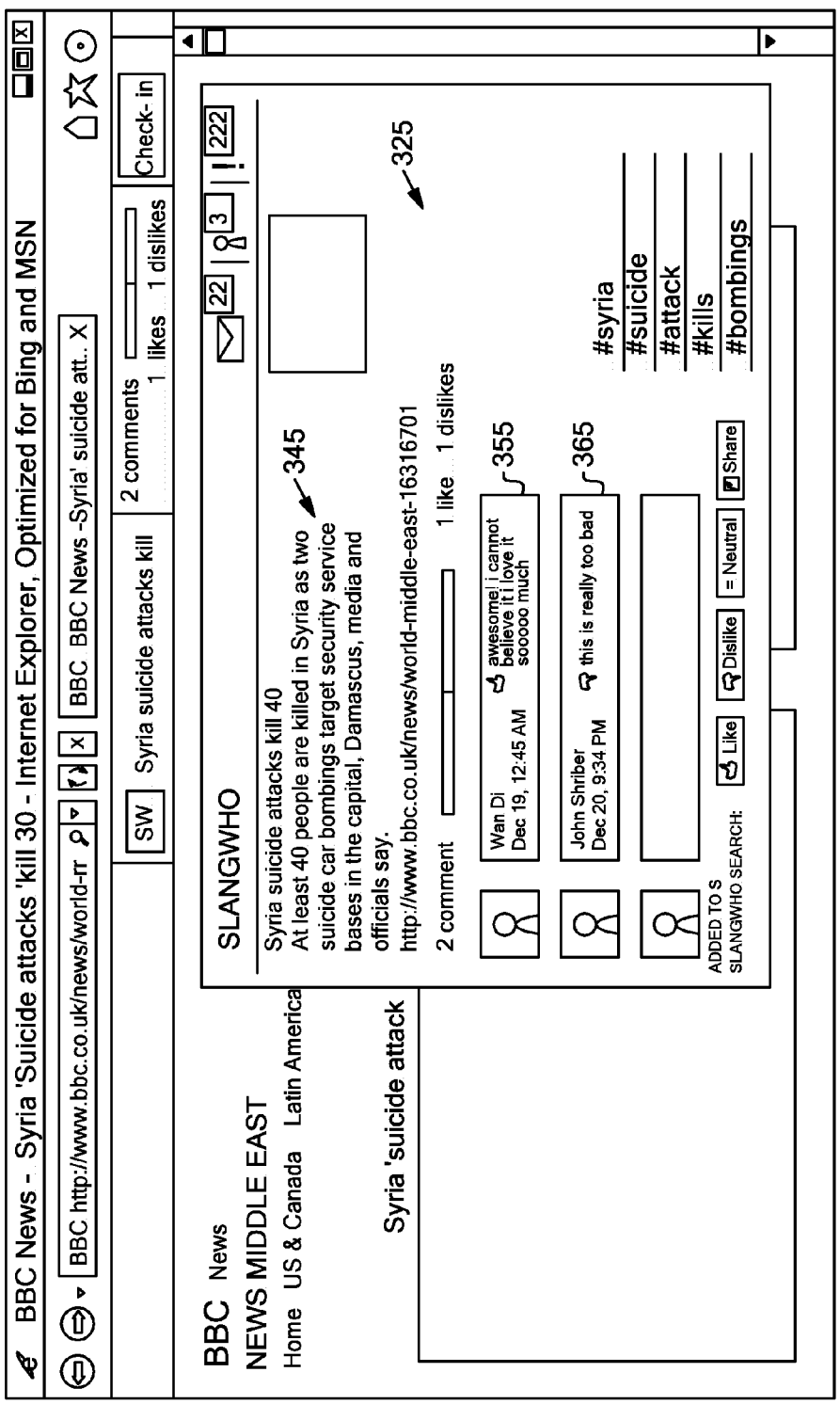
Like
Dislike
= Neutral
Share

Fig. 3C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John Shriber
Dec 20, 9:34 PM
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365
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#suicide
#attack
#kills
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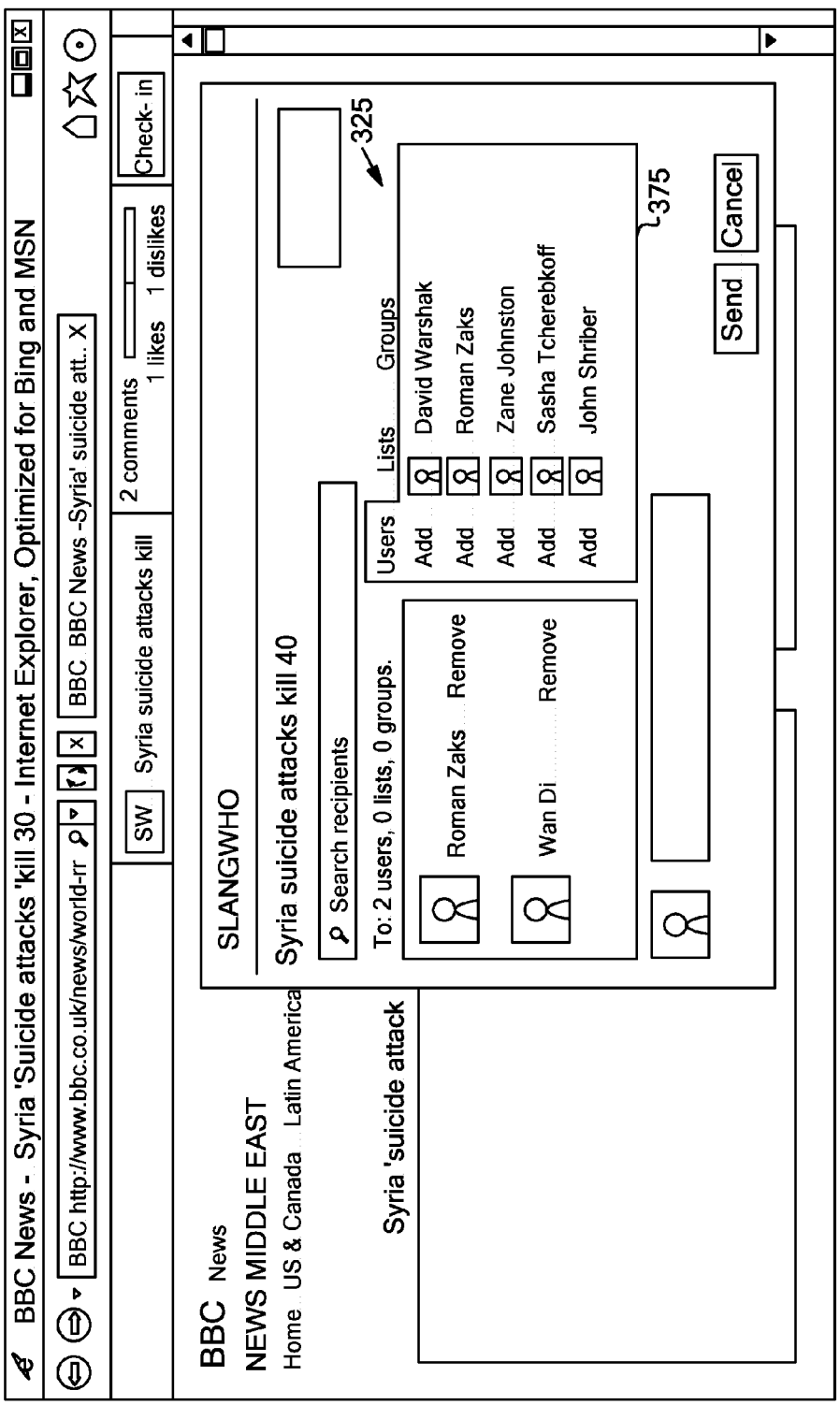
Fig. 3D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1 likes 1 dislikes
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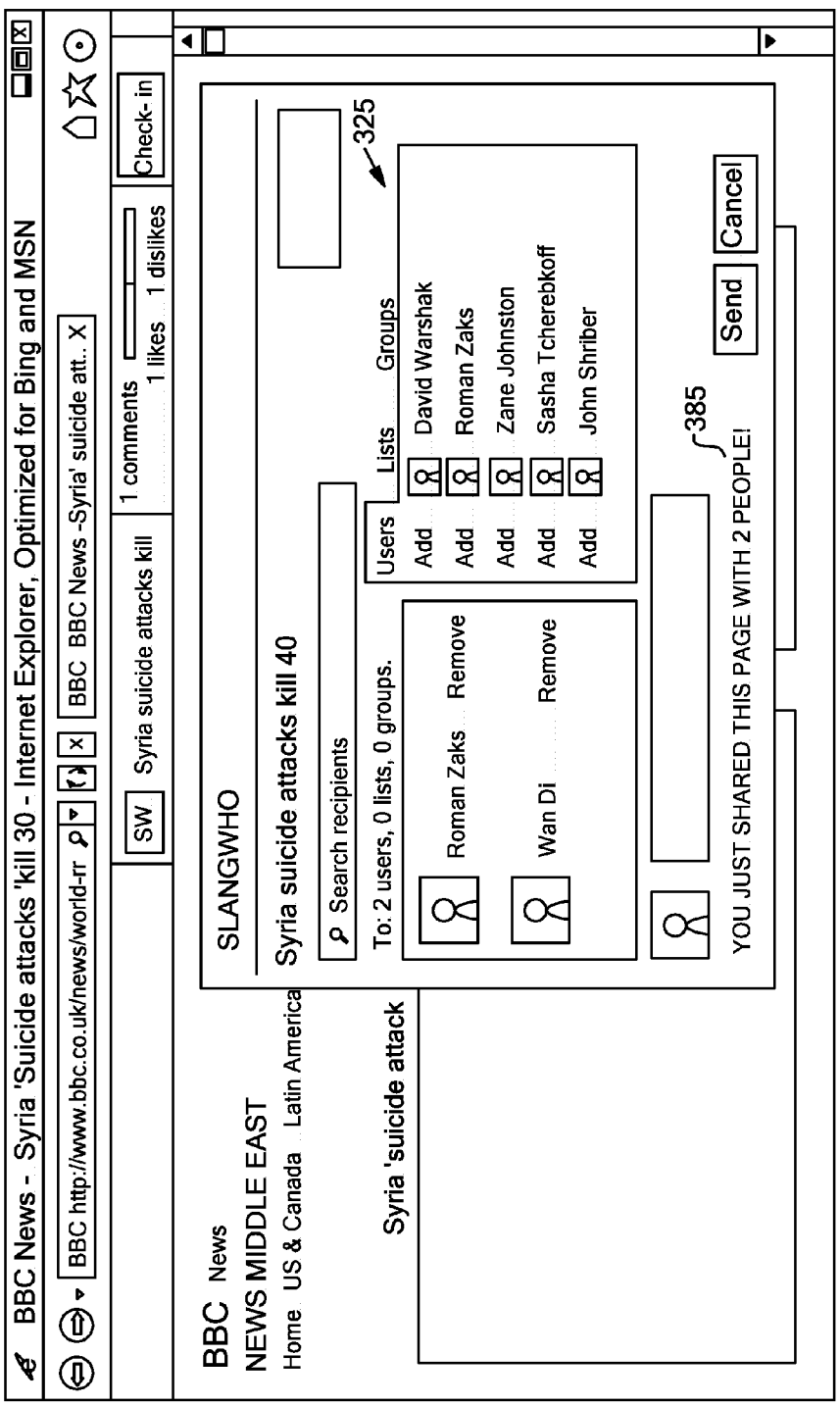
Home US & Canada Latin America
Syria 'suicide attack
SLANGWHO
Syria suicide attacks kill 40
Search recipients
To: 2 users, 0 lists, 0 groups.
Roman Zaks Remove
Wan Di Remove
Users Lists Groups
Add David Warshak
Add Roman Zaks
Add Zane Johnston
Add Sasha Tcherebkoff
Add John Shriber
325
375
Send
Cancel

Fig. 3E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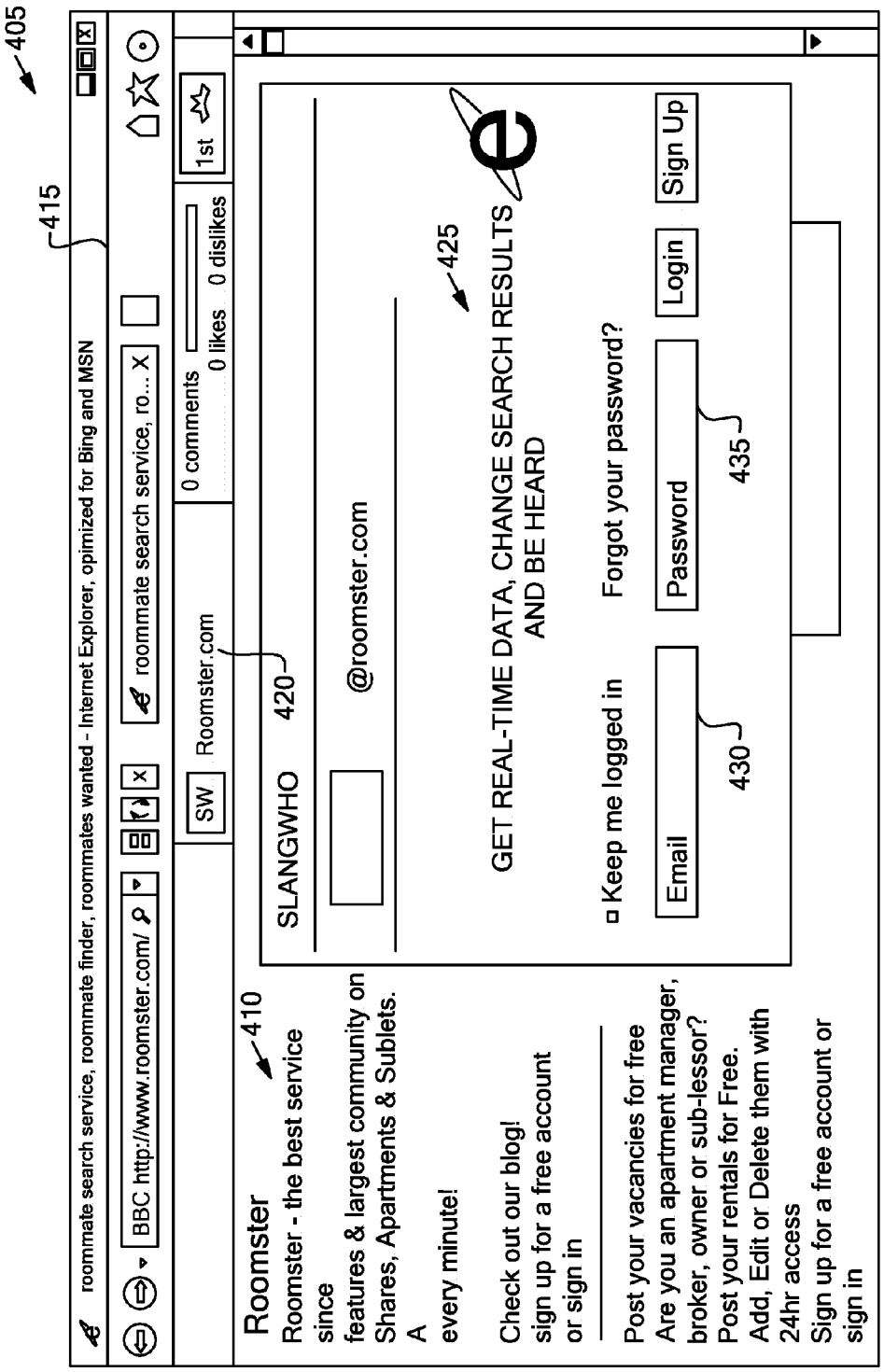
Syria suicide attacks kill 40
Search recipients
To: 2 users, 0 lists, 0 groups.
Users Lists Groups
325
Add David Warshak
Add Roman Zaks
Add Zane Johnston
Add Sasha Tcherebkoff
Add John Shriber
Roman Zaks Remove
Wan Di Remove
385
YOU JUST SHARED THIS PAGE WITH 2 PEOPLE!
Send
Cancel
Syria 'suicide attack

Fig. 3F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425
GET REAL-TIME DATA, CHANGE SEARCH RESULTS AND BE HEARD
Keep me logged in
Forgot your password?
Email
Password
Login
Sign Up
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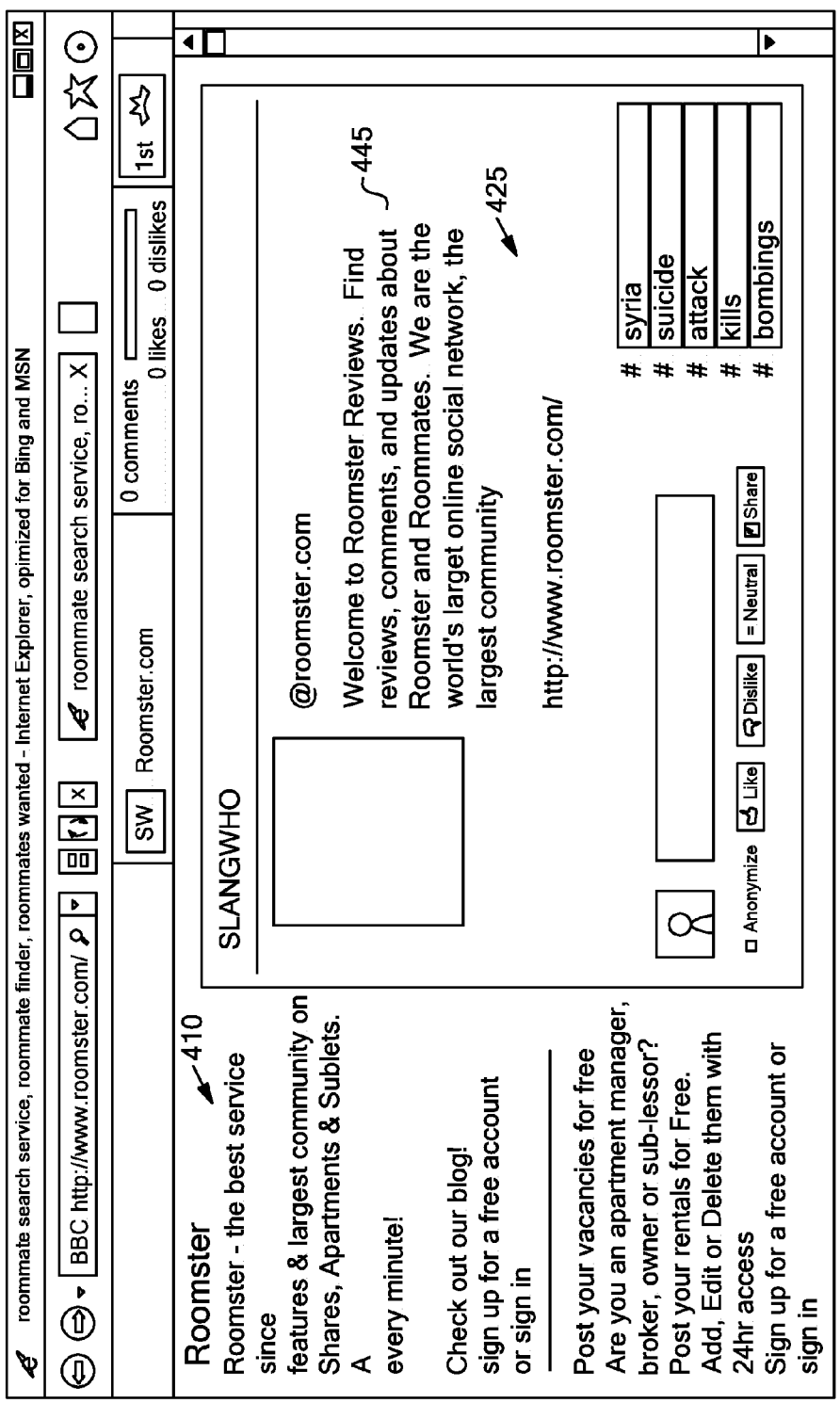
Fig. 4A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features & largest community on Shares, Apartments & Sublets.
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Post your rentals for Free.
Add, Edit or Delete them with 24hr access
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445
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http://www.roomster.com/
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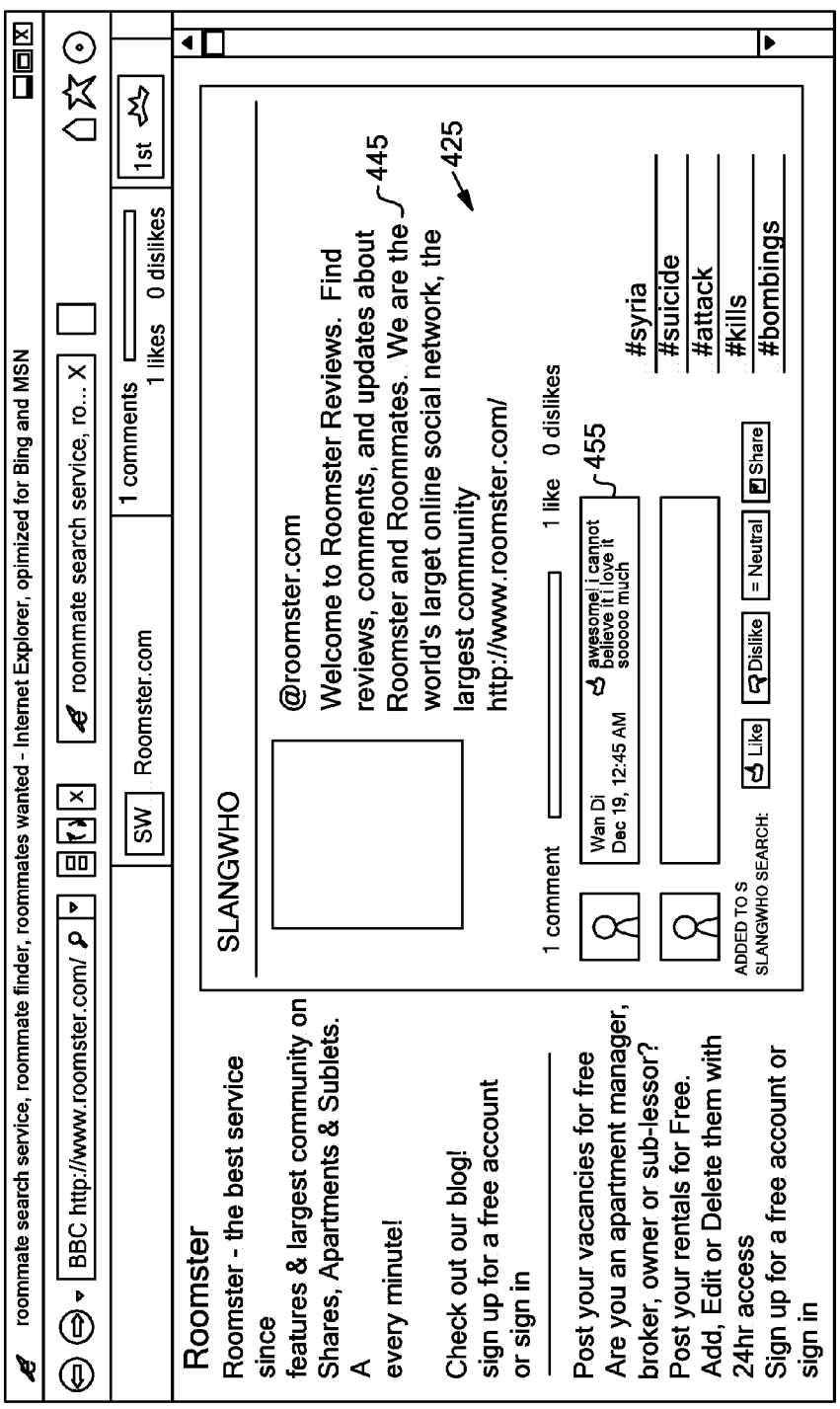
suicide
attack
kills
bombings
Anonymize
Like
Dislike
= Neutral
Share

Fig. 4B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1 likes 0 dislikes
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SLANGWHO SEARCH:
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Dislike
= Neutral
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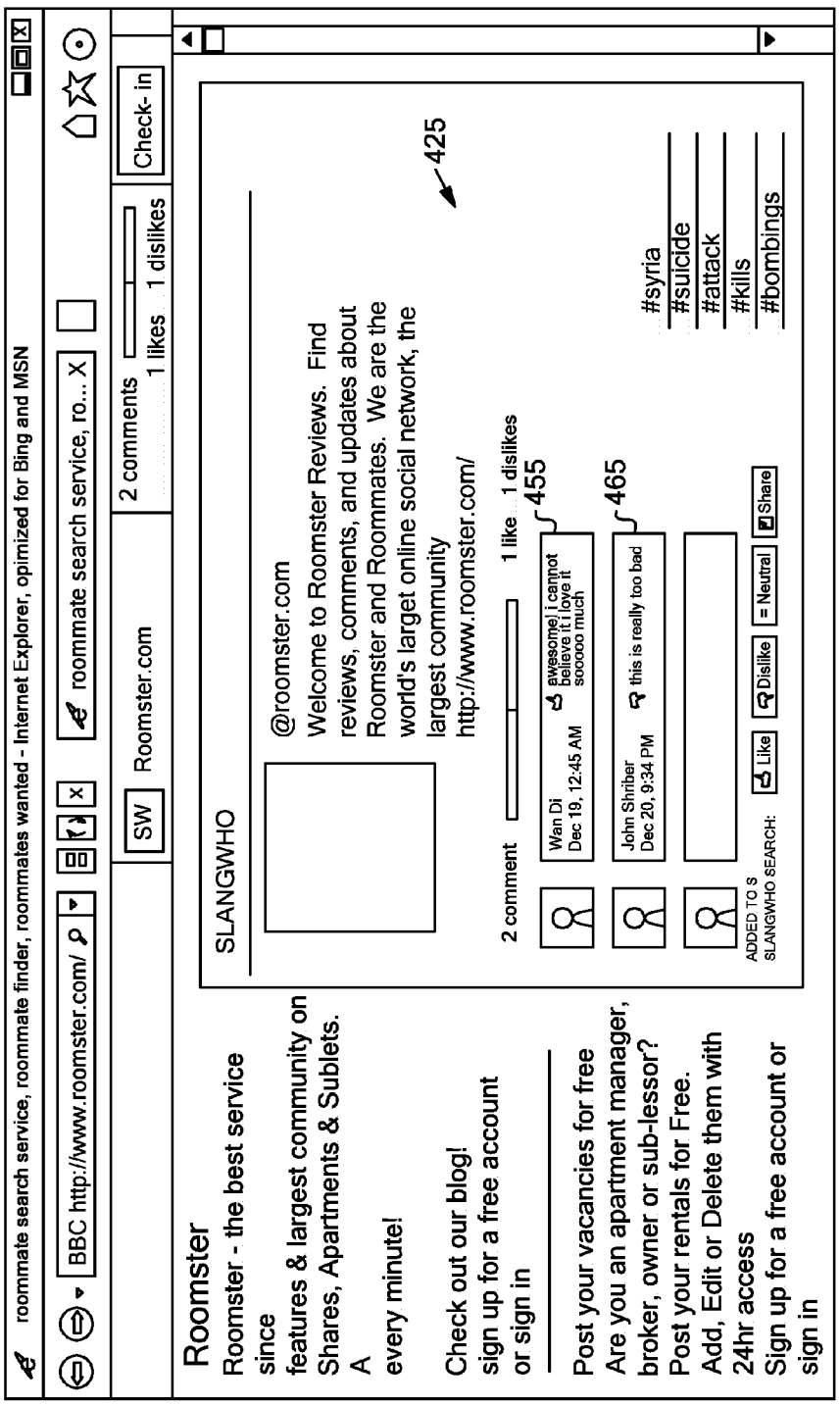
Fig. 4C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John Shriber
Dec 20, 9:34 PM
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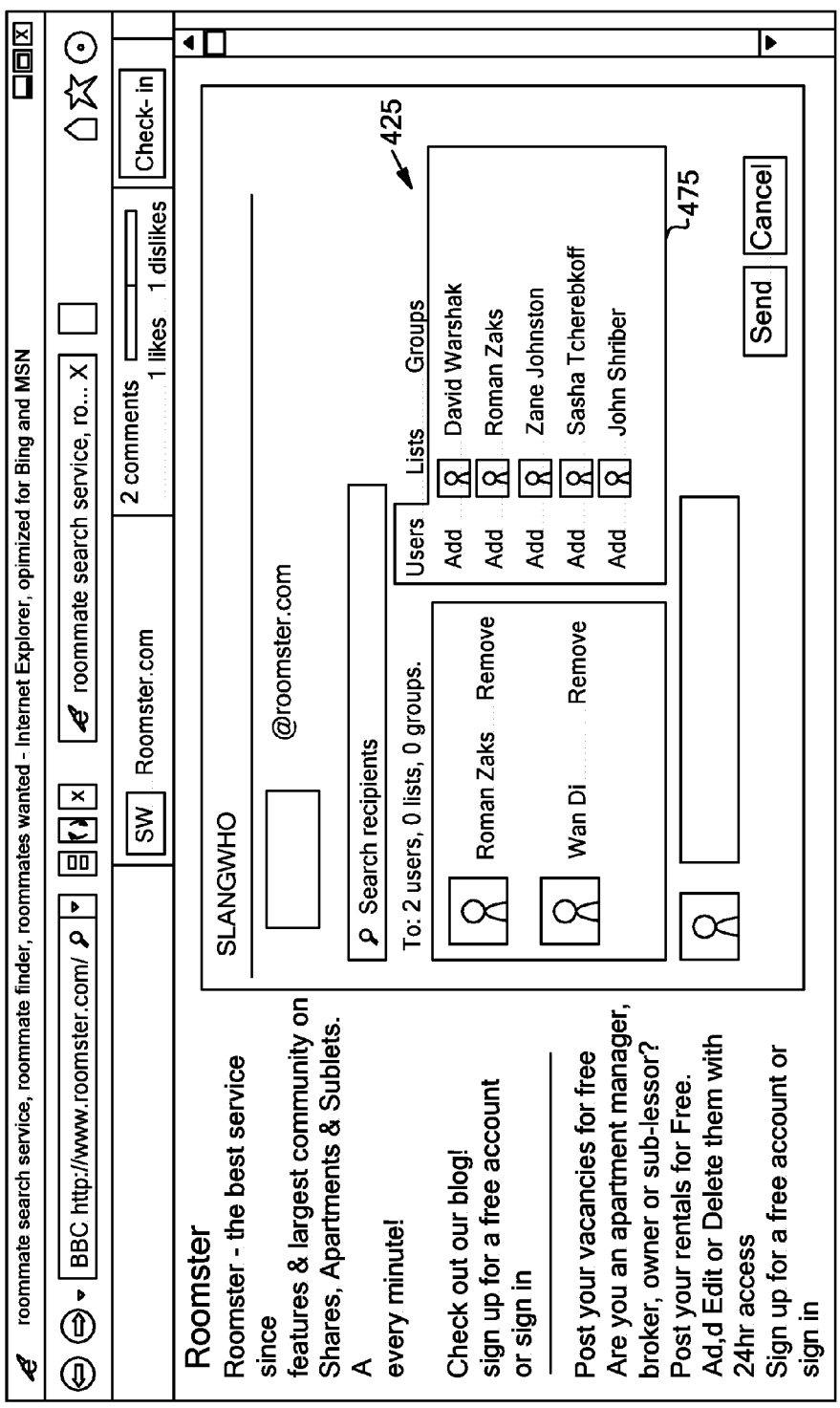
465
ADDED TO S
SLANGWHO SEARCH:
Like
Dislike
= Neutral
Share
#syria
#suicide
#attack
#kills
#bombings

Fig. 4D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Roomster.com
2 comments
1 likes
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Are you an apartment manager, broker, owner or sub-lessor?
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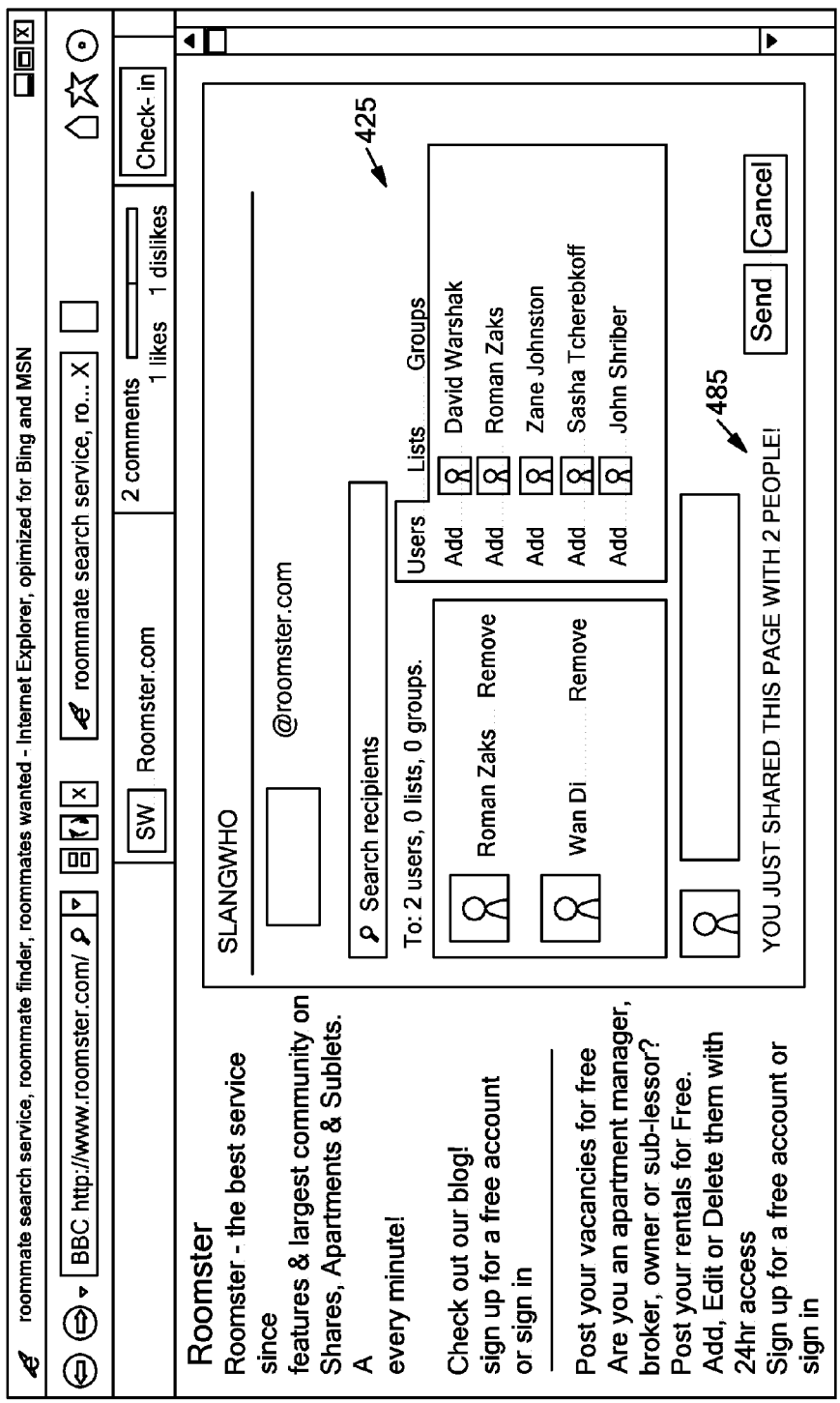
@roomster.com
Search recipients
To: 2 users, 0 lists, 0 groups.
Roman Zaks
Remove
Wan Di
Remove
425
Users
Lists
Groups
Add
David Warshak
Add
Roman Zaks
Add
Zane Johnston
Add
Sasha Tcherebkoff
Add
John Shriber
475
Send
Cancel

Fig. 4E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roommate search service, roommate finder, roommates wanted - Internet Explorer, opimized for Bing and MSN
BBC http://www.roomster.com/
roommate search service, ro... X
SW
Roomster.com
2 comments
1 likes 1 dislikes
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Post your rentals for Free.
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Sign up for a free account or sign in
SLANGWHO
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425
Search recipients
To: 2 users, 0 lists, 0 groups.
Roman Zaks Remove
Wan Di Remove
Users Lists Groups
Add David Warshak
Add Roman Zaks
Add Zane Johnston
Add Sasha Tcherebkoff
Add John Shriber
485
YOU JUST SHARED THIS PAGE WITH 2 PEOPLE!
Send
Cancel

Fig. 4F

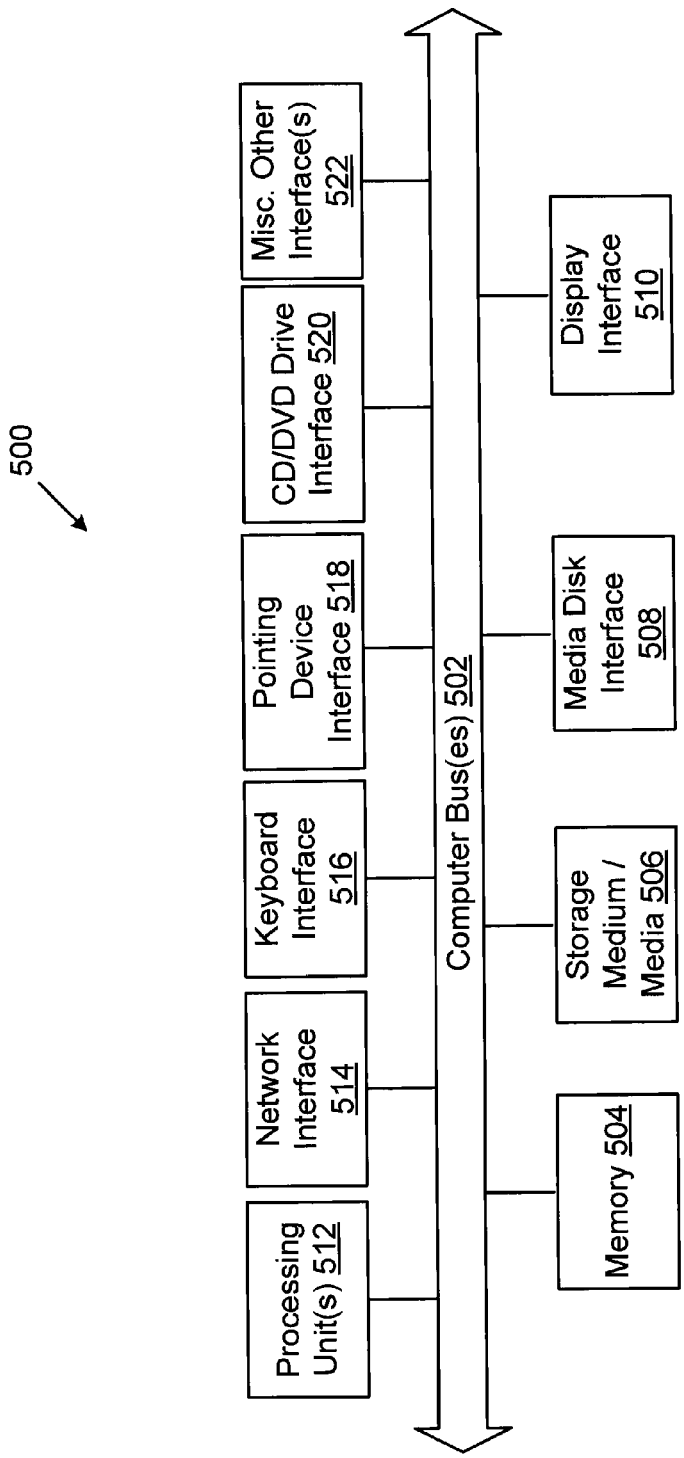
500
Computer Bus(es) 502
Processing Unit(s) 512
Network Interface 514
Keyboard Interface 516
Pointing Device Interface 518
CD/DVD Drive Interface 520
Misc. Other Interface(s) 522
Memory 504
Storage Medium / Media 506
Media Disk Interface 508
Display Interface 510

Fig. 5

SYSTEM AND METHOD FOR TRANSMITTING A FEED RELATED TO A FIRST USER TO A SECOND USER

RELATED APPLICATIONS

This application claims the benefit of U.S. Provisional Application Ser. No. 61/452,595, filed Mar. 14, 2011, which is incorporated herein by reference in its entirety.

FIELD

The present disclosure relates to online communication between a first user and a second user, and more specifically to transmitting a feed related to the first user to the second user.

BACKGROUND

Web content accessible via the Internet includes web pages, videos, photographs, blogs, news, media, songs, etc. Communication about web content between individuals is typically done via email, blog post, or via a social networking site.

SUMMARY

There remains a need, however, to enable real-time communication between a first user and a second user about web content displayed by a web browser to enable the second user to receive at least some of the web content. Communication can include commenting on the web content, tips related to the web content, etc.

In one aspect, a server computer provides a first user interface to a first client computer operated by a first user for display by a first web browser. The first web browser displays web content to the first user. The server computer provides a second user interface to a second client computer operated by a second user for display by a second web browser. The server computer receives a feed request from the second client computer of the second user for a feed related to the first user. The server computer transmits the feed related to the first user to the second client computer to enable the second user to receive at least a portion of the web content.

In one embodiment, the transmitting of the feed related to the first user to the second client computer includes transmitting a newsfeed entry to the second client computer. In one embodiment, the providing of the first and/or second user interface includes providing a web page and/or a plug-in. In one embodiment, the displaying of the web content includes displaying a webpage, an idea, a comment, and/or a digital photograph. In one embodiment, upon receiving the feed request from the second client computer for a feed related to the first user, the server computer immediately transmits, in real time, the feed to the second client computer.

In one embodiment, the transmitting of the feed related to the first user to the second client computer to enable the second user to receive at least a portion of the web content includes enabling the second user to reply to the at least a portion of the web content. In one embodiment, the transmitting of the feed related to the first user to the second client computer to enable the second user to receive at least a portion of the web content includes transmitting search results comprising the at least a portion of the web content to the first user. In one embodiment, the server computer receives a follow request for the second user to follow the first user via the feed.

These and other aspects and embodiments will be apparent to those of ordinary skill in the art by reference to the following detailed description and the accompanying drawings.

BRIEF DESCRIPTION OF THE DRAWINGS

In the drawing figures, which are not to scale, and where like reference numerals indicate like elements throughout the several views:

FIG. **1**A is a block diagram of a client computer communicating with a server computer over a network in accordance with an embodiment of the present disclosure;

FIG. **1**B is a flowchart illustrating operations performed by the server computer and the client computer to enable a user of the client computer to operate on web content displayed by the client computer in accordance with an embodiment of the present disclosure;

FIG. **2**A is a block diagram of a first client computer and a second client computer communicating with the server computer in accordance with an embodiment of the present disclosure;

FIG. **2**B is a flowchart illustrating operations performed by the server computer to transmit a feed to the second client computer in accordance with an embodiment of the present disclosure;

FIGS. **3**A-**3**F are exemplary screen shots of a user interface and a plug-in module when a web page is added to the server computer via the plug-in module in accordance with an embodiment of the present disclosure;

FIGS. **4**A-**4**F are exemplary screen shots of the user interface and the plug-in module when a web site is added to the server computer via the plug-in module in accordance with an embodiment of the present disclosure; and

FIG. **5** is a block diagram illustrating an internal architecture of a computer in accordance with an embodiment of the present disclosure.

DESCRIPTION OF EMBODIMENTS

Embodiments are now discussed in more detail referring to the drawings that accompany the present application. In the accompanying drawings, like and/or corresponding elements are referred to by like reference numbers.

Various embodiments are disclosed herein; however, it is to be understood that the disclosed embodiments are merely illustrative of the disclosure that can be embodied in various forms. In addition, each of the examples given in connection with the various embodiments is intended to be illustrative, and not restrictive. Further, the figures are not necessarily to scale, some features may be exaggerated to show details of particular components (and any size, material and similar details shown in the figures are intended to be illustrative and not restrictive). Therefore, specific structural and functional details disclosed herein are not to be interpreted as limiting, but merely as a representative basis for teaching one skilled in the art to variously employ the disclosed embodiments.

The present disclosure is described below with reference to block diagrams and operational illustrations of methods and devices to select and present media related to a specific topic. It is understood that each block of the block diagrams or operational illustrations, and combinations of blocks in the block diagrams or operational illustrations, can be implemented by means of analog or digital hardware and computer program instructions. These computer program instructions can be provided to a processor of a general purpose computer, special purpose computer, ASIC, or other programmable data processing apparatus, such that the instructions, which

execute via the processor of the computer or other programmable data processing apparatus, implements the functions/acts specified in the block diagrams or operational block or blocks.

In some alternate implementations, the functions/acts noted in the blocks can occur out of the order noted in the operational illustrations. For example, two blocks shown in succession can in fact be executed substantially concurrently or the blocks can sometimes be executed in the reverse order, depending upon the functionality/acts involved. Furthermore, the embodiments of methods presented and described as flowcharts in this disclosure are provided by way of example in order to provide a more complete understanding of the technology. The disclosed methods are not limited to the operations and logical flow presented herein. Alternative embodiments are contemplated in which the order of the various operations is altered and in which sub-operations described as being part of a larger operation are performed independently.

Throughout the specification and claims, terms may have nuanced meanings suggested or implied in context beyond an explicitly stated meaning Likewise, the phrase "in one embodiment" as used herein does not necessarily refer to the same embodiment and the phrase "in another embodiment" as used herein does not necessarily refer to a different embodiment. It is intended, for example, that claimed subject matter include combinations of example embodiments in whole or in part.

In general, terminology may be understood at least in part from usage in context. Fore example, terms, such as "and", "or", or "and/or," as used herein may include a variety of meanings that may depend at least in part upon the context in which such terms are used. Typically, "or" if used to associate a list, such as A, B, or C, is intended to mean A, B, and C, here used in the inclusive sense, as well as A, B, or C, here used in the exclusive sense. In addition, the term "one or more" as used herein, depending at least in part upon context, may be used to describe any feature, structure, or characteristic in a singular sense or may be used to describe combinations of features, structures or characteristics in a plural sense. Similarly, terms, such as "a," "an," or "the," again, may be understood to convey a singular usage or to convey a plural usage, depending at least in part upon context. In addition, the term "based on" may be understood as not necessarily intended to convey an exclusive set of factors and may, instead, allow for existence of additional factors not necessarily expressly described, again, depending at least in part on context.

FIG. **1**A is a block diagram of an embodiment of a client computer **105** communicating with a server computer **110** over a network **115** such as the Internet. A user uses a web browser **120** on the client computer **105** to access the Internet. In one embodiment, a web page is transmitted via the network **115** to the client computer **105** for display by the web browser **120** in a main browser window **130**. The web browser **120** displays web content **135** in the main window **130** of the web browser **120**. The web content **135** is generally received from a third party server different from the server computer **110** without going through the server computer **110**. The third party server is generally independent from the server computer **110**; and the presentation of the web content from the third party server to the web browser **120** is made without a reference to the server computer **110**. However, the techniques described herein also apply to the scenario in which the web content **135** is from the server computer **110**.

In one embodiment, the client computer **105** submits a request to the server computer **110** (e.g., via the web content **135**) for a plug-in module **140**. The plug-in module **140** may be associated with the web content **135**, may be associated with another web page, and/or may be associated with a displayed advertisement. The server computer **110** transmits the plug-in module **140** to the browser **120** (to install the plug-in module **140** on the browser **120**). In one embodiment, the plug-in module **140** is installed on the browser to present a user interface element such as a button on a toolbar of the web browser **120** (e.g., the browser toolbar or a third party toolbar) or a menu item in the browser **120**, etc.

The user of the client computer **105** can activate the plug-in module **140** by, for example, selecting the button for the plug-in module **140** (e.g., via a mouse cursor, touching the button, speaking a command, etc.). In one embodiment, upon activation, the plug-in module **140** causes the web browser **120** to display a user interface **150** separate from the main browser window **130** (e.g., a pop-up window). In one embodiment, the user interface **150** displays at least a portion of the web content **155** to the user and enables the user to operate on the displayed web content **155** (and, e.g., generate user content associated with the web content **135**, such as a rating, comment, etc. as described below). In one embodiment, the user interface **150** includes one or more buttons **160** to enable the user to operate on the portion of the web content **155**. In one embodiment, the plug-in module **140** transmits user content **165** to the server computer **110** (e.g., for indexing).

For purposes of this disclosure, a computer such as the client computer **105** includes a processor and memory for storing and executing program code, data and software. Computers can be provided with operating systems that allow the execution of software applications in order to manipulate data. Client computer **105** can be any device that can display a website and that can be used by a user. Personal computers, servers, personal digital assistants (PDAs), wireless devices, smartphones, cellular telephones, tablet computers, internet appliances, media players, home theater systems, and media centers are several non-limiting examples of computers.

For the purposes of this disclosure, the term "server" should be understood to refer to a service point which provides processing, database, and communication facilities. By way of example, and not limitation, the term "server" can refer to a single, physical processor with associated communications and data storage and database facilities, or it can refer to a networked or clustered complex of processors and associated network and storage devices, as well as operating software and one or more database systems and applications software which support the services provided by the server. A number of program modules and data files can be stored on a computer readable medium of the server. They can include an operating system suitable for controlling the operation of a networked server computer, such as the WINDOWS 7, WINDOWS VISTA, or WINDOWS XP operating system published by Microsoft Corporation of Redmond, Wash., or the Ubuntu operating system distributed by Canonical Ltd. of Douglas, Isle of Man.

In one embodiment, the server computer **110** is a group of servers, such as one server to receive the submitted user content transmitted from the plug-in module **140** and a second server configured to download/install the plug-in module **140** into the user's web browser **120**. In another embodiment, server computer **110** performs both of these functions. In one embodiment, a third server may be present in FIG. **1**A representing a third party web server on the Internet (e.g., an online newspaper site, a blog, etc.) that is separate and distinct from server computer **110**.

FIG. **1**B is a flowchart illustrating an embodiment of operations performed by the server computer **110** and the client computer **105** to enable a user of the client computer **105** to

operate on web content displayed by the browser **120**. The user uses the web browser **120** to view and/or listen to web content **135**, such as a web page, an audio file, a video, a post, a media file, etc., in main browser window **130** (Operation **170**). In one embodiment, the plug-in module **140** is installed prior to and independent from the web content **135**; the installation of the plug-in module **140** and its operation requires no prior arrangement made in the web content **135**; and thus, the plug-in module **140** can work with any web content **135** found in the web. Alternatively, the web content **135** (e.g., a web page associated with the server computer **110**) enables the user to install plug-in module **140**. In another embodiment, the web page **135** is a third party web page that includes an advertisement to install the plug-in module **140**.

The server computer **110** transmits the plug-in module **140** to the web browser **120** of the client computer **105** (Operation **175**) and the client computer **105** receives the plug-in module **140** (Operation **180**). In one embodiment, the plug-in module **140** allows the user to remotely log into the server computer **110**. Upon activation of the plug-in module **140** (Operation **185**), the plug-in module **140** causes the web browser **120** to display user interface **150** separate from the main window **130**. In one embodiment, the user interface **150** displays at least a portion of the web content **155** that the web browser **120** is displaying in its main window **130** (Operation **190**). For example, the user interface **150** can display representative information of the web content **135**, such as a picture, an icon, a sentence, and/or a paragraph in the portion of the web content **155**. In one embodiment, the user interface **150** displays notifications, comments, or reviews from other users who have downloaded the plug-in module **140**.

In one embodiment, the user interface **150** automatically selects for display the portion of the web content **155** from the received web content **135**. Further, in one embodiment the user of the client computer **105** can provide settings as to what the user interface **150** will display when web content **135** is displayed in the web browser **120** (e.g., display the first few sentences of the web content **135**, display the first graphic and first few sentences of web content **135**, display the entire web page **135**, etc.)

The plug-in module **140** enables the user to operate on the web content **155**. For example, the user can submit a rating for the web content **155** or a comment on the web content **155** (Operation **195**) (e.g., user content **165**). In one embodiment, the user interface **150** enables the user to post the portion of the web content **155** to a social networking site (e.g., FACEBOOK®). In one embodiment, the user interface **150** displays current discussions related to the web content **155** and enables the user to add the web content **135** to a search engine associated with the server computer **110**. In one embodiment, the user can use the user interface **150** to adjust (e.g., add web content to or remove web content from) the portion of the web content **155** displayed by the user interface **150**. For example, the plug-in module **140** can transmit the URL of the web content **135** to the server computer **110**. The server computer **110** can update what is displayed by or the amount of web content **155** displayed by the user interface **150**. In one embodiment, the plug-in module **140** prompts the user to add the web page **135** to the server computer's index so that the web page **135** will be present in future search results. The plug-in module **140** may transmit the URL of the web page **135** to the server computer **110** (which can then extract the web content **135**), may transmit the entire web page **135** to the server computer **110**, or may transmit a portion of the web page **135** to the server computer **110**. In one embodiment, the server computer **110** (or the plug-in module **140**) grabs the web page's meta-tags, thumbnail, title, and/or text of the web page **135**. In one embodiment, the plug-in module **140** allows the user to add web content **135** (e.g., a web page) to the server computer **110**, such as via the user interface **150**, a pop-up window, a menu option, right-clicking the webpage itself, via the browser **120**, etc. In one embodiment, the plug-in module **140** enables the user to change the web content's tags in case the meta-tags are inaccurate.

Thus, the user interface **150** enables the user to provide information/content about a third party web page **135** to a web page associated with the plug-in module **140** (and server computer **110**) while the third party web page **135** is displayed in web browser **120**. This information/user content **165** can include one or more comments, tips, a rating for the web content **155** (e.g., a score for the web content **155**), an indication that the user likes or dislikes the web content **155**, a recommendation for or on the web content **155**, and/or a tag for the web content **155**. Further, the user interface **150** can enable the user to attach content to the web content **155**, share the web content **155** with others, etc.

The plug-in module **140** allows the user to act on any web page that is currently being viewed by the user and, in one embodiment, transmits the user-created content (e.g., comments and ratings) in association with an identification of the web content to the server computer **110**. After the plug-in module **140** is installed on the web browser **120** (e.g., via an installation web page that directs the user to download the plug-in module **140** for installation), the user can visit any third party web site and click a button associated with the plug-in module **140** to create user content in association with the third party web site and submit the user content to the server computer **110**. The user does not have to visit the web site through the plug-in module **140** or user interface **150** but rather can navigate to the web site using the user's web browser **120**. In one embodiment, the plug-in module **140** can be implemented as a built-in module of the web browser **120** (e.g., shipped by Microsoft Corporation as a built-in component of INTERNET EXPLORER®).

Thus, when a user is looking at a web page (e.g., a news article or a blog entry), and if the user is interested in acting upon it (e.g., to share it, to submit it to the server computer **110** for indexing, or to rank or comment on it), the user can click on the plug-in module button and then work on the user interface **150** that, in one embodiment, populates some of the fields automatically by automatically taking those contents (e.g., snippets) from the web page **135** that the user is currently looking at (e.g., thumbnail image, the lead sentence, etc.). There is no need for any prior arrangement between the web page being acted upon and the plug-in module **140**/server computer **110**.

For example, a blog-related service may use such a plug-in module **140** to assist the blog author that blogs on news articles. When looking at the news article, the user clicks the plug-in button and the user interface **150** shows the blog template that has many fields pre-populated with content from the news article (e.g., a thumbnail icon image, a lead sentence, etc.). Thus, the user does not have to perform the copy and paste manually. The user can work on the user interface **150** to compose the remaining part of the blog entry about the news article, such as rating, comments, etc.

In one embodiment, the user interface **150** displays advertisements to the user, such as for one or more products. In one embodiment, the advertisements are transmitted to the browser **120** by the server computer **110**. Alternatively, a third party advertisement server can transmit advertisements to the user interface **150** for display. In one embodiment, the advertisements may be related to the portion of the web content **155** displayed by the user interface **150**. The user interface **150**

can also display statistics. For example, the user interface **150** can display statistics associated with the portion of the web content **155**, statistics associated with the user (e.g., number of days since the user has downloaded the plug-in module **140**, amount of web content that the user has commented on, amount of web content that the user has shared, amount of web content that the user has rated or ranked, number of and/or which other users the user has followed, number of and/or which other users have followed the user, etc.), statistics about the user interface **150**, statistics about the plug-in module **140**, statistics about other users associated with the plug-in module **140** (e.g., the number of users who have downloaded the plug-in module **140** and/or the number of users who have downloaded the plug-in module **140** and who have currently activated the plug-in module **140** to view a corresponding user interface), and/or statistics about any other information.

In one embodiment, the user interface **150** displays advertisements that are posted by other users who have downloaded the plug-in module **140**. The advertisements can be, for example, an advertisement for a roommate, an advertisement to sell or buy a product, a classified jobs section, a dating section, etc. Thus, in one embodiment, a product manager at company XYZ can post a job position that is available at XYZ to the users of the plug-in module **140**. As another example, suppose one user is using his web browser **120** to search for a new television set. In one embodiment, the plug-in module **140** can detect the user's searching and post an advertisement for a TV that another user in the community (e.g., another user who has downloaded the plug-in module **140**) is selling.

For each web item (web content) (e.g., a web site, a video, a web page) hosted on the web/internet (typically not on the server computer **110**), the server computer **110** allows its users to create user content **165**, which typically includes a snippet or portion of the web content **155** (such as one or sentences from the web content **135**, one or more thumbnail images of the web content **135**, etc.). The snippet **155** is not generated until a user submits it to the server via the plug-in module **140**. The user content **165** may further include a set of tags/keywords. The plug-in module **140** and/or the server **110** may automatically select the snippet and the tags/keywords **155** for the user, by processing the web content **135** in an automated way. The snippet and/or the tags/keywords **155** suggested by the plug-in module **140** and/or the server computer **110** may be modified by the user via the user interface **150** of the plug-in module **140**. The snippet **155** is stored on the server computer **110** (as part of the user content **165** associated with the web content **135**); and in one embodiment the user content **165** has a link to the web content **135**, which allows the users of the server computer **110** to follow the link to see the actual/current version of the web content **135** that is on the web (typically not on the server computer **110**). One or more users can add additional contents to the "user content" **165** associated with the web content **135**, such as a vote/rating, and a comment. The first user submitting the snippet and/or tags/keywords can submit this information with his/her rating/vote and comment.

FIG. **2**A is a block diagram of an embodiment of a first client computer **205** and a second client computer **210** communicating with the server computer **110** over network **115**. FIG. **2**B is a flowchart of an embodiment of operations performed by the server computer **110**. As described above, in one embodiment the plug-in module **215**, **217** is transmitted to web browser **220** of the first client computer **205** and web browser **225** of the second client computer **210**, respectively. Each web browser **220**, **225** is displaying web content (e.g., the first web browser **220** is displaying first web content **230**) as described above in a main browser window (e.g., first main browser window **233**). In one embodiment, the user of the first client computer **205** activates plug-in module **215**, which in turn results in a corresponding first user interface **240** being displayed. Alternatively, the first user interface **240** is displayed in a web page served by the server computer **110**. The first user interface **240** displays a portion of the web content **245**. As described above, the user of the first client computer **205** can act upon the first web content **230** displayed by the web browser **220** of the first client computer **205** to generate first user content **250**.

As described above, the server computer **110** provides a first user interface **240** to the first client computer **205** of the first user for display by the first web browser **220** (Operation **265**). The server computer **110** also provides a second user interface to the second client computer **210** of a second user for display by the second web browser **225** (Operation **270**).

In one embodiment, the user interfaces (e.g., first user interface **240**) provides a way for users to instantly (in real-time) share information that one user believes would be of special interest to another user. This may be done via feeds. Feeds can be used to alert other users of, for example, webpages, shared (ideas), tips, and photos. In one embodiment, the user interface takes a newsfeed entry and redirects it to another user's feed. In one embodiment, comments that are entered in a feed are updated (e.g., regularly), and entered comments can be found in a webpage discussion page. In one embodiment, the server computer **110** (user interface) does not generate duplicate entries.

In one embodiment, the second user submits a feed request **255** for a feed related to the first user to the server computer **110**. The server computer **110** receives the feed request (Operation **275**). In one embodiment, the server computer **110** transmits the feed related to the first user **260** to the second client computer **210** to enable the second user to receive at least a portion of the first web content **230** (Operation **280**) (e.g., a thumbnail version of a picture from the web content, a sentence from the web content, and/or a link to or in the web content). The feed can be sent in search results, newsfeed, and in a plug-in pop-up displayed by the user interface of the second client computer **210**. In another embodiment, the users are provided with access to reply to the feed(s); and thus users can start a conversation using the feed(s). The feed(s) serve as a way to communicate between a selected group of people. Users may also subscribe to certain tags to receive feeds that are generated via an automatic search of the followed tags.

In one embodiment, the transmitting of the feed related to the first user to the second client computer **210** to enable the second user to receive at least a portion of the web content further includes enabling the second user to reply to the at least a portion of the web content. In one embodiment, the transmitting of the feed includes transmitting search results including the at least a portion of the web content to the second user.

In one embodiment, the feed is transmitted to the second user interface in real-time when the second user has activated his corresponding user interface (e.g., has logged in or is displaying the user interface). In another embodiment, if the second user has not activated his user interface (e.g., via the plug-in module), the server computer **110** stores the feed and pushes the feed to the second client computer **210** when the second user activates the second user's plug-in module. Thus, in one embodiment the feed is similar to instant messaging and email. The presentation, in one embodiment, is similar to blog postings in blogs.

In one embodiment, the user interface enables a user to follow another user. For example, if the second user follows the first user, certain content of the first user is fed to the second user via a feed. In one embodiment, permissions are used for users as a way for users to control who can interact with them and how. Users may register to follow other people to populate their feeds with relevant information. However, should a user find that another user that he/she is following to be too much of an annoyance for any reason, that user can block the user he/she is following in a number of ways. One way is to block the feed, which prevents the activities of a user that he/she is following from showing up on the feed. Another way a user can block another person is if the user finds a particular person's communications unwanted or an annoyance. A further way is messaging. In one embodiment, any user can message another user via the user interface. However, this can be a gateway to spamming, so by limiting the ability to message certain users, it can help create a better user experience.

In one embodiment, the user interface includes a feed area (e.g., first user feed area **285**) where a user can receive real-time information of what his/her followers are doing. For example, for webpage entries, users can rate, comment, and/or find external links to the pages in this feed area. In one embodiment, there are two types of ratings—thumbs up (positive) and thumbs down (negative). In one embodiment, ratings can only be added once per user, per page/site/photo. A positive rating raises the page/site/photo's calculated score, which can cause it to appear higher in search results. This allows the users to directly decide what shows up in the highest positions in the search results. A negative rating lowers the page/site/photo's calculated score, which can cause it to appear lower in the search results. This allows the users to directly decide what shows up in the lowest positions in the search results.

Commenting on an entry in a feed allows a user to express their opinion. In one embodiment, commenting can be done multiple times per user. In one embodiment, all pages and photos displayed in the feed area are linked directly to their respective discussion pages. Any comments posted on the feed area about the websites, webpages, photos, and albums can be updated on their respective discussion pages.

In one embodiment, if another user finds a comment particularly helpful, he/she can give the comment a positive rating. Similarly, in one embodiment, if another user finds a comment not particularly helpful, he/she can give the comment a negative rating. In one embodiment, a user can sort the way his feed area displays information.

In one embodiment, if a second user uses second client computer **210** that has the plug-in installed to visit the web content that has an associated user content (e.g., a snippet, a set of votes by different users and comments) in the server computer, the browser plug-in module shows the availability of the user content (e.g., the numbers of comments the server computer **110** stores for the web content displayed in the main window and the counts of up votes and down votes) and the second user can click on the browser plug-in module to activate a user interface to view the user content and/or provide additional user content.

The second user may use a search page of the server computer and/or the user interface of the plug-in module to search, based on the tags, to discover the web content and then view the user content using the plug-in module.

In one embodiment, the first user of the first user interface **240** may directly request the server computer **110** to feed the user content to a set of other users identified by the first user, such as the user of the second client computer **210**. When the second client computer **210** is in a feed user interface, the server computer **110** and/or the plug-in module of the second client computer **210** automatically presents available feeds of user contents to the second user of the second client computer **210**. The server computer **110** may automatically push feeds to the feed user interface (feed area), as soon as the feed content becomes available or updated. Alternatively, the feed user interface (feed area) may periodically check with the server computer **110** for updates and/or new feeds.

The available feeds include the user content that is explicitly identified by other users (e.g., the first user of the first client computer **205**) for sharing with the second user, implicitly identified by the second user via subscription to tags identified by the second user, or implicitly identified by the second user via following one or more other users (e.g., the first user as a friend who accepts the request from the second user to follow the first user). When the second user follows the first user, the user contents of interest to the first user are fed to the second user in the feed user interface (feed area) (e.g., presented via activating the plug-in module). For example, the user contents related to the web content that are commented on, voted on, and/or discovered/submitted by the first user to the server computer **110** can be fed to the second user, if the second user follows the first user, as indicated by the user following data stored in the server computer **110**. In one embodiment, different types of user contents (e.g., explicitly shared by the first user to the second user, implicitly shared via following the first user, and implicitly identified via subscription to tags) are presented in different sections of the feed user interface (feed area). Duplicated items are eliminated from the sections, based on a predetermined priority (e.g., if an item is presented in the explicit shared section, the item is not show in other sections).

When a first user explicitly requests the sharing of a user content with a second user in connection with web content, the server computer **110** generates a feed in response to the user request and makes the feed available as a real time response to the user request.

When a user content is created or updated for a web item (web content), the server computer **110** checks tag subscription data to create new feeds in real time with the creation or updating of the user content (for feeding to users who subscribe to a tag assigned to the web item); in addition, the server computer **110** checks the user following data to create new feeds in real time with the creation or updating of the user content (for feeding to users who follow 1) the user who created or updated the web item and/or **2**) the users who subscribed to tags to receive a feed of the user content).

FIGS. **3**A-**3**F are exemplary screen shots of the user interface and the plug-in module when a web page is added to the server computer **110** (e.g., added to be indexed for search results) via the plug-in module. In FIG. **3**A, screen shot **305** shows web content **310** being displayed by web browser **315**. The user has activated the plug-in module via plug-in module button **320**, which results in user interface **325** being displayed. Screen shot **305** shows the user interface **325** enabling the user to log in via log-in input areas **330**, **335**. FIG. **3**B shows a screen shot **340** illustrating the user interface **325** that includes a portion of the web content **345** associated with web content **310**. The user in screen shot **340** can enter in a comment relating to the portion of the web content **345**. In FIG. **3**B, the envelop icon **346** with the number (22) may be an interface to open the section to see the explicitly shared feeds; the person icon **347** with the number (3) may be related to the user interface for following other users (and/or feeds via following); and the "!" icon **348** with the number (222) may be for feeds or for feeds via subscription to tags. In FIG. **3**B,

the thumbnails of all pictures are arranged in a slide show mode **349** to allow the user to view the pictures one at a time. The option below the slide show allows the user to select an alternative way to present the web page visually: generating a domain screenshot of the web page, instead of creating the thumbnail images of pictures in the web page (some web pages may not have a picture). The option to the left of the "like" voting button can be selected to submit the user content anonymously. The comment of the user submitted anonymously will be shown to others without revealing the identity of the user who requested to submit the comment with the "anonymize" option.

FIG. **3**C shows a screen shot **350** that includes user interface **325** having a comment **355** from the user about the portion of the web content **345**. The user has indicated that he/she "likes" the web content **345**. FIG. **3**D is a screen shot **360** of user interface **325** displaying two comments, the like comment **355** and a dislike comment **365**. FIG. **3**E shows a screen shot **370** with user interface **325** displaying contacts **375** that the user can share the web content **345** with. FIG. **3**F shows a screen shot **380** with user interface **325** indicating via notification **385** that the user has shared the web content **345** with two people.

FIGS. **4**A-**4**F are exemplary screen shots of the user interface and the plug-in module when a web site is added to the server computer **110** (e.g., added to be indexed for search results) via the plug-in module. In FIG. **4**A, screen shot **405** shows web site **410** being displayed by web browser **415**. The user has activated the plug-in module via plug-in module button **420**, which results in user interface **425** being displayed. Screen shot **405** shows the user interface **425** enabling the user to log in via log-in input areas **430**, **435**. FIG. **4**B shows a screen shot **440** illustrating the user interface **425** that includes a portion of the web site content **445** associated with web site **410**. The user in screen shot **440** can enter in a comment relating to the portion of the web content **445**. FIG. **4**C shows a screen shot **450** that includes user interface **425** having a comment **455** from the user about the portion of the web site content **445**. The user has indicated that he/she "likes" the web site content **445**. FIG. **4**D is a screen shot **460** of user interface **425** displaying two comments, the like comment **455** and a dislike comment **465**. FIG. **4**E shows a screen shot **470** with user interface **425** displaying contacts **475** that the user can share the web site content **445** with. FIG. **4**F shows a screen shot **480** with user interface **425** indicating via notification **485** that the user has shared the web site content **445** with two people.

FIG. **5** is a block diagram illustrating an internal architecture of an example of a computer, such as server computer **110** and/or client computer **105**, in accordance with one or more embodiments of the present disclosure. A computer as referred to herein refers to any device with a processor capable of executing logic or coded instructions, and could be a server, personal computer, set top box, smart phone, pad computer or media device, to name a few such devices. As shown in the example of FIG. **5**, internal architecture **500** includes one or more processing units (also referred to herein as CPUs) **512**, which interface with at least one computer bus **502**. Also interfacing with computer bus **502** are persistent storage medium/media **506**, network interface **514**, memory **504**, e.g., random access memory (RAM), run-time transient memory, read only memory (ROM), etc., media disk drive interface **508** as an interface for a drive that can read and/or write to media including removable media such as floppy, CD-ROM, DVD, etc. media, display interface **510** as interface for a monitor or other display device, keyboard interface **516** as interface for a keyboard, pointing device interface **518** as an interface for a mouse or other pointing device, and miscellaneous other interfaces not shown individually, such as parallel and serial port interfaces, a universal serial bus (USB) interface, and the like.

Memory **504** interfaces with computer bus **502** so as to provide information stored in memory **504** to CPU **512** during execution of software programs such as an operating system, application programs, device drivers, and software modules that comprise program code, and/or computer-executable process operations, incorporating functionality described herein, e.g., one or more of process flows described herein. CPU **512** first loads computer-executable process operations from storage, e.g., memory **504**, storage medium/media **506**, removable media drive, and/or other storage device. CPU **512** can then execute the stored process operations in order to execute the loaded computer-executable process operations. Stored data, e.g., data stored by a storage device, can be accessed by CPU **512** during the execution of computer-executable process operations.

Persistent storage medium/media **506** is a computer readable storage medium(s) that can be used to store software and data, e.g., an operating system and one or more application programs. Persistent storage medium/media **506** can also be used to store device drivers, such as one or more of a digital camera driver, monitor driver, printer driver, scanner driver, or other device drivers, web pages, content files, playlists and other files. Persistent storage medium/media **506** can further include program modules and data files used to implement one or more embodiments of the present disclosure.

For the purposes of this disclosure a computer readable medium stores computer data, which data can include computer program code that is executable by a computer, in machine readable form. By way of example, and not limitation, a computer readable medium may comprise computer readable storage media, for tangible or fixed storage of data, or communication media for transient interpretation of code-containing signals. Computer readable storage media, as used herein, refers to physical or tangible storage (as opposed to signals) and includes without limitation volatile and non-volatile, removable and non-removable media implemented in any method or technology for the tangible storage of information such as computer-readable instructions, data structures, program modules or other data. Computer readable storage media includes, but is not limited to, RAM, ROM, EPROM, EEPROM, flash memory or other solid state memory technology, CD-ROM, DVD, or other optical storage, magnetic cassettes, magnetic tape, magnetic disk storage or other magnetic storage devices, or any other physical or material medium which can be used to tangibly store the desired information or data or instructions and which can be accessed by a computer or processor.

For the purposes of this disclosure a module is a software, hardware, or firmware (or combinations thereof) system, process or functionality, or component thereof, that performs or facilitates the processes, features, and/or functions described herein (with or without human interaction or augmentation). A module can include sub-modules. Software components of a module may be stored on a computer readable medium. Modules may be integral to one or more servers, or be loaded and executed by one or more servers. One or more modules may be grouped into an engine or an application.

Those skilled in the art will recognize that the methods and systems of the present disclosure may be implemented in many manners and as such are not to be limited by the foregoing exemplary embodiments and examples. In other words, functional elements being performed by single or multiple components, in various combinations of hardware and soft-

ware or firmware, and individual functions, may be distributed among software applications at either the user device or server or both. In this regard, any number of the features of the different embodiments described herein may be combined into single or multiple embodiments, and alternate embodiments having fewer than, or more than, all of the features described herein are possible. Functionality may also be, in whole or in part, distributed among multiple components, in manners now known or to become known. Thus, myriad software/hardware/firmware combinations are possible in achieving the functions, features, interfaces and preferences described herein. Moreover, the scope of the present disclosure covers conventionally known manners for carrying out the described features and functions and interfaces, as well as those variations and modifications that may be made to the hardware or software or firmware components described herein as would be understood by those skilled in the art now and hereafter.

While the system and method have been described in terms of one or more embodiments, it is to be understood that the disclosure need not be limited to the disclosed embodiments. It is intended to cover various modifications and similar arrangements included within the spirit and scope of the claims, the scope of which should be accorded the broadest interpretation so as to encompass all such modifications and similar structures. The present disclosure includes any and all embodiments of the following claims.

What is claimed is:

1. A computing device comprising:

a processor; and

a medium storing instructions that, when executed by the processor, cause the computing device to:

provide a first plug-in module to a first client computer operated by a first user, the first plug-in module for displaying a first user interface by a first web browser, the first web browser displaying web content to the first user on the first client computer, wherein the first user interface is separate from a main window of the first web browser, and wherein the first user interface automatically selects a portion of the web content and displays the portion of the web content within the first user interface;

provide a second plug-in module to a second client computer operated by a second user, the second plug-in module for displaying a second user interface by a second web browser on the second client computer, wherein the second user interface is separate from a main window of the second web browser;

receive a feed request from the second user via the second user interface;

receive a submission associated with the web content from the first user via the first user interface;

determine that the submission is of interest to the second user; and

in response to determining that the submission is of interest to the second user, transmit a feed to the second client computer to present the submission to the second user via the second user interface.

2. The computing device of claim **1**, wherein the feed is transmitted to the second client computer via a newsfeed technique.

3. The computing device of claim **1**, wherein the feed includes the submission; and the submission identifies web content.

4. The computing device of claim **1**, wherein the submission includes at least one of a webpage, an idea, a comment, and a digital photograph; and the submission is stored in association with the web content.

5. The computing device of claim **1**, wherein the submission is determined to be of interest to the second user based on an identification of the second user in the submission.

6. The computing device of claim **1**, wherein the submission is determined to be of interest to the second user based on a tag of the web content with which the submission is associated.

7. The computing device of claim **1**, wherein the submission is determined to be of interest to the second user based on a user to which the second user follows.

8. The computing device of claim **1**, wherein the first user interface is presented in a pop-up window separate from the main window of the first web browser, and the second user interface is presented in a pop-up window separate from the main window of the second web browser.

9. A non-transitory computer readable storage medium storing computer program instructions that, when executed by a server computer, cause the server computer to:

provide a first plug-in module to a first client computer operated by a first user, the first plug-in module for displaying a first user interface by a first web browser, the first web browser displaying web content to the first user on the first client computer, wherein the first user interface is separate from a main window of the first web browser, and wherein the first user interface automatically selects a portion of the web content and displays the portion of the web content within the first user interface;

provide a second plug-in module to a second client computer operated by a second user, the second plug-in module for displaying a second user interface by a second web browser on the second client computer, wherein the second user interface is separate from a main window of the second web browser;

receive a feed request from the second user via the second user interface;

receive a submission associated with the web content from the first user via the first user interface;

determine that the submission is of interest to the second user; and

in response to determining that the submission is of interest to the second user, transmit a feed to the second client computer to present the submission to the second user via the second user interface.

10. The medium of claim **9**, wherein the first user interface is presented in a pop-up window separate from the main window of the first web browser, and the second user interface is presented in a pop-up window separate from the main window of the second web browser.

11. A method, comprising:

providing, by a computing device, a first plug-in module to a first client computer operated by a first user, the first plug-in module for displaying a first user interface by a first web browser, the first web browser displaying web content to the first user on the first client computer, wherein the first user interface is separate from a main window of the first web browser, and wherein the first user interface automatically selects a portion of the web content and displays the portion of the web content within the first user interface;

providing, by the computing device, a second plug-in module to a second client computer operated by a second user, the second plug-in module for displaying a second user interface by a second web browser on the second

client computer, wherein the second user interface is separate from a main window of the second web browser;

receiving, by the computing device, a feed request from the second user via the second user interface;

receiving, by the computing device, a submission associated with the web content from the first user via the first user interface;

determining, by the computing device, that the submission is of interest to the second user; and

in response to determining that the submission is of interest to the second user, transmitting, by the computing device, a feed to the second client computer to present the submission to the second user via the second user interface.

12. The method of claim **11**, wherein the feed is transmitted to the second client computer via a newsfeed technique.

13. The method of claim **11**, wherein the feed includes the submission; and the submission identifies web content.

14. The method of claim **11**, wherein the submission includes at least one of a webpage, an idea, a comment, and a digital photograph; and the submission is stored in association with the web content.

15. The method of claim **11**, wherein the submission is determined to be of interest to the second user based on an identification of the second user in the submission.

16. The method of claim **11**, wherein the submission is determined to be of interest to the second user based on a tag of the web content with which the submission is associated.

17. The method of claim **11**, wherein the submission is determined to be of interest to the second user based on a user to which the second user follows.

18. The method of claim **11**, wherein the first user interface is presented in a pop-up window separate from the main window of the first web browser, and the second user interface is presented in a pop-up window separate from the main window of the second web browser.

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